



AIR PREPARATION INDEX

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VALVOLA BILANCIATA per una maggiore portata e migliore regolazione.

BALANCED VALVE for a greater air flow and greater sensitivity.

STAFFA DI FISSAGGIO A "T"
Permette di distanziare la batteria dalla parete, per un più agevole smontaggio delle tazze.

FIXING "T" BRACKET
Allowing to distance the battery from wall, it makes the bowl disassembling easier.

VALVOLA DI INTERCETTAZIONE
3/2 LUCCHETTABILE
Chiude l'alimentazione e depressurizza l'impianto per una maggiore sicurezza nelle operazioni di manutenzione.

LOCKABLE 3 WAY ON-OFF VALVE
It shuts off air supply, relieving pressure from the system for a greater safety during maintenance operations.

ELEMENTO FILTRANTE
Standard 20 micron, oppure 5 micron.

FILTERING ELEMENT.
20 micron standard or 5 micron.

STAFFA DI FISSAGGIO A PARETE
WALL FIXING BRACKET

POMELLO con dispositivo di bloccaggio della regolazione della pressione.
LOCKABLE SAFETY KNOB

SCARICO DELLA CONDENZA
SEMIAUTOMATICO e manuale in versione integrata con portatubo di drenaggio.
MANUAL AND SEMIAUTOMATIC CONDENSATE DRAIN in integrated version with pipeholder for conveying condensate.

VALVOLA DI SEZIONAMENTO A COMANDO ELETTRICO

Consente di intervenire a distanza con la chiusura dell'alimentazione e la contemporanea messa in scarico del circuito di valle.

ELECTRICAL CONTROL SHUT-OFF VALVE

It allows remote operation, shutting off air supply and relieving downstream circuit.

AVVIATORE PROGRESSIVO

Pressurizza gradualmente l'impianto fino al raggiungimento della pressione d'esercizio.

SLOW START VALVE

It gradually pressurizes the system until reaching set operating pressure.

CUPOLA TRASPARENTE per visualizzazione a 360° del gocciolamento olio.

TRANSPARENT OIL WINDOW allowing 360° dripping display.

TAZZA IN POLIAMMIDE TENACIZZATO CON PROTEZIONE ESTERNA
Disponibile anche in versione trasparente.

TOUGHENED POLYAMIDE BOWL WITH OUTER GUARD.
Available also in transparent version.

PRESA D'ARIA

Consente un prelievo supplementare di aria filtrata e/o regolata.

AIR TAKE-OFF

It provides supplementary port of filtered and/or regulated air

MANOMETRO COMPATTO

COMPACT PRESSURE GAUGE

SCARICO AUTOMATICO a galleggiante con portatubo di drenaggio della condensa

AUTOMATIC FLOAT TYPE

CONDENSATE DRAIN

with pipeholder for conveying condensate.

MODULAR LINE 042 1/4"

V3+FR+PA+SV+AVP+L

LINE 039 1/8"-1/4" | PRESSURE REGULATORS



GENERAL FEATURES

Aircomp microregulators are available in a wide range of models so as to fulfill several application requirements. The internal balanced valve guarantees high regulation stability upon variation of the upstream pressure. An accurate designing of the internal opening system provides regulation speed and big flow rate. The used polymers and internal components make this product extremely versatile for different applications with compressed air.

GENERAL TECHNICAL DATA

Fluid	compressed air
Working temperature (a 10 bar):	-5 / +50°C
Connections IN-OUT	G1/8" e G1/4"
Fixing type	panel mounted or with bracket
Mounting position	any
Tamper-proof knob	
Version with lock	upon request

GUIDE TO REFERENCES

MR 1/4" 039 08 R

Product MR = Microregulators	Version = Standard
Connection 1/8" = G 1/8" 1/4" = G 1/4"	FA-RM = Air escape + improve relieving
Line 039	SRU = Unidirectional quick exhaust
	EPDM = with seals in EPDM
	Version R = Relieving (for air) Non relieving (please see water preparation catalogue)
	Pressure range 02 = 0 - 2 Bar 04 = 0 - 4 Bar 08 = 0 - 8 Bar 12 = 0 - 12 Bar

LINE 039 1/8"-1/4" | PRESSURE REGULATORS

PRESSURE REGULATORS LINE 039

The expertise we have gained over many years in planning and production of pressure regulators has lead us to constantly improve our products. Our customers urge us to develop even more specific and customised solutions. Nowadays we can offer a broad range of regulators for many applications.

COMPRESSED AIR REGULATION

LINE 039 REGULATOR FOR COMPRESSED AIR



Features: big flow rate, stability

LINE 039 SRU QUICK EXHAUST REGULATOR



Feature: high exhaust speed

LINE 039 FA-RM AIR ESCAPE REGULATOR WITH INCREASED RELIEVING



Feature: high sensitivity and precision

LINE 039 EPDM AIR REGULATOR WITH EPDM SEALS



Feature: resistance against chemical aggressions

WATER AND FLUIDS REGULATION

LINE 039 NON-RELIEVING REGULATOR FOR WATER



Features: big flow rate, stability

LINE 039 POM WITH CERTIFIED MATERIALS FOR DRINKING WATER



Features: compatibility and precision

LINE 039 INOX WITH CERTIFIED MATERIALS AND STAINLESS STEEL FOR DRINKING WATER



Features: compatibility and precision

LINE 039 EPDM NON-RELIEVING REGULATOR FOR LIQUIDS



Features: compatibility with brake fluid

Would you like to learn more about our range for water and fluids? Please visit the Water Preparation section.



LK VERSION WITH LOCK

The regulator is adjusted at the required pressure, the knob is blocked and locked. Pressure modification is possible only by opening the lock.



PRE-SET VERSION

The regulator is preset at the pressure value required by the customer. A tamper-proof knob is mounted in order to avoid any modification to the preset pressure.

AIR PREPARATION

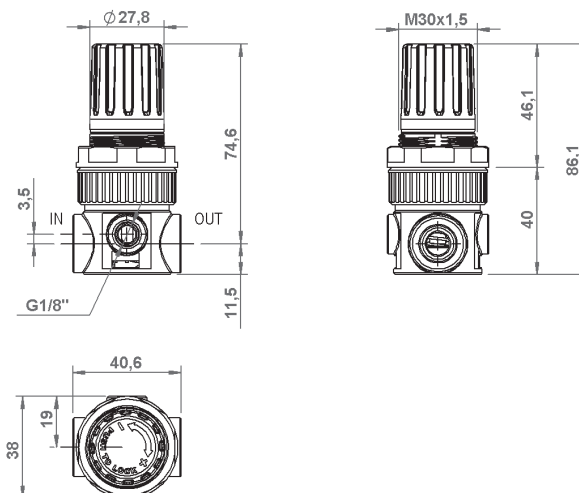
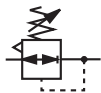
VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

LINE 039 1/8"-1/4" | PRESSURE REGULATORS



GENERAL FEATURES

High performance microregulator with balanced valve for guaranteeing great stability even upon variation of the downstream pressure and low load loss.

Relieving for a quick exhaust of the downstream overpressure.

Knob with pressure locking device.

Equipped with nut and nr. 1 plug.

GENERAL TECHNICAL DATA

Pressure range	0-2; 0-4; 0-8; 0-12 Bar
Maximum inlet pressure	16 Bar
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	900 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max. torque inserts G1/8" IN-OUT	20 Nm
Max Torque G1/4" IN-OUT	25 Nm
Max torque gauge port	1 Nm
Weight	0,100 kg

Below 3°C the air of the circuit must be free from humidity

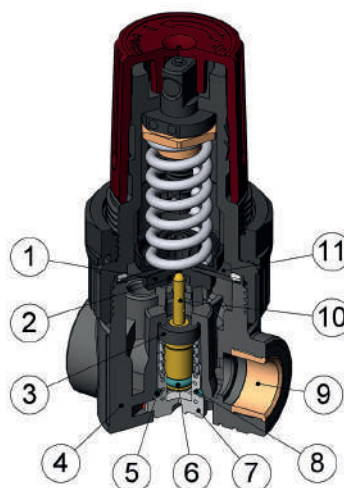
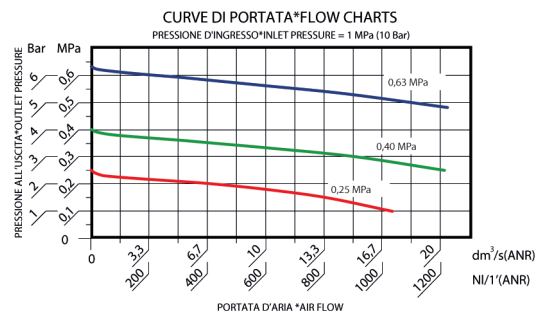
ORDERING CODE

CODE	REF.
039.00.00001	MR 1/8" 039 02 R
039.00.00002	MR 1/8" 039 04 R
039.00.00003	MR 1/8" 039 08 R
039.00.00004	MR 1/8" 039 12 R
039.00.00401	MR 1/4" 039 02 R
039.00.00402	MR 1/4" 039 04 R
039.00.00403	MR 1/4" 039 08 R
039.00.00404	MR 1/4" 039 12 R

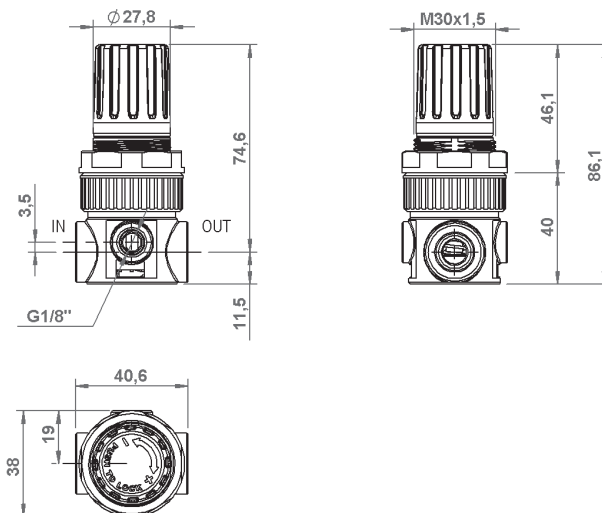
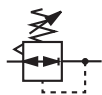
MATERIALS

- | | |
|-------------------------|--|
| 1. Diaphragm pin - POM | 7. Plug - POM |
| 2. Relieving seal - NBR | 8. Valve spring - STAINLESS STEEL AISI 316 |
| 3. Valve sealing - NBR | 9. Inserts - BRASS OT58 |
| 4. Regulator body - POM | 10. Valve body - BRASS OT58 |
| 5. O-Ring plug - NBR | 11. Diaphragm - NBR |
| 6. O-Ring valve - NBR | |

For the non-relieving models please go to Water preparation section.



LINE 039 1/8"-1/4" | REGULATORS FA-RM AIR ESCAPE



GENERAL FEATURES

High precision microregulators, thanks to an innovative CONTROLLED AIR ESCAPE SYSTEM which enhances the regulation sensitivity.

The relieving exhaust hole has been enlarged to 1,8mm for guaranteeing greater flow rate during the phase of overpressure exhaust. Knob with pressure locking device.

Equipped with nut and nr. 1 plug.

GENERAL TECHNICAL DATA

Pressure range	0-2; 0-4; 0-8; 0-12 Bar
Maximum inlet pressure	16 Bar
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	900 NI/min
Flow rate controlled air escape (Inlet pr.: 10 bar Outlet pr.: 6 bar)	3,7 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max. torque inserts G1/8" IN-OUT	20 Nm
Max Torque G1/4" IN-OUT	25 Nm
Max torque gauge port	1 Nm
Weight	0,100 kg

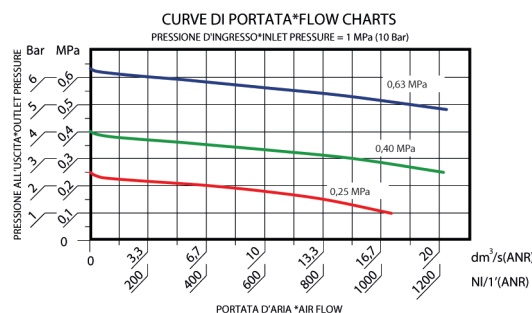
Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

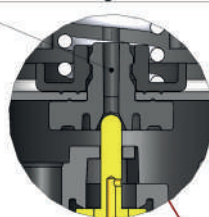
CODE	REF.
039.00.00701	MR 1/8" 039 02 R FA-RM
039.00.00702	MR 1/8" 039 04 R FA-RM
039.00.00703	MR 1/8" 039 08 R FA-RM
039.00.00704	MR 1/8" 039 12 R FA-RM
039.00.00801	MR 1/4" 039 02 R FA-RM
039.00.00802	MR 1/4" 039 04 R FA-RM
039.00.00803	MR 1/4" 039 08 R FA-RM
039.00.00804	MR 1/4" 039 12 R FA-RM

MATERIALS

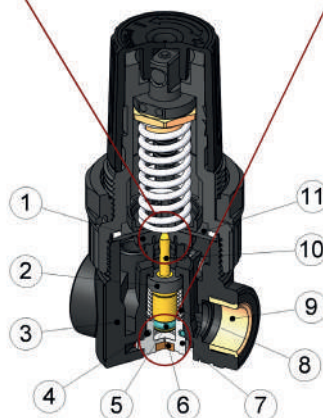
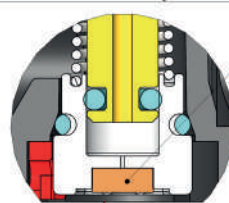
- | | |
|-------------------------------|--|
| 1. Diaphragm pin - POM | 7. Plug - POM |
| 2. Sealing valve - NBR | 8. Valve spring - STAINLESS STEEL AISI 316 |
| 3. Regulator body - POM | 9. Inserts - BRASS OT58 |
| 4. O-Ring plug - NBR | 10. Valve body - BRASS OT58 |
| 5. O-Ring valve - NBR | 11. Diaphragm - NBR |
| 6. Silencer - sintered bronze | |



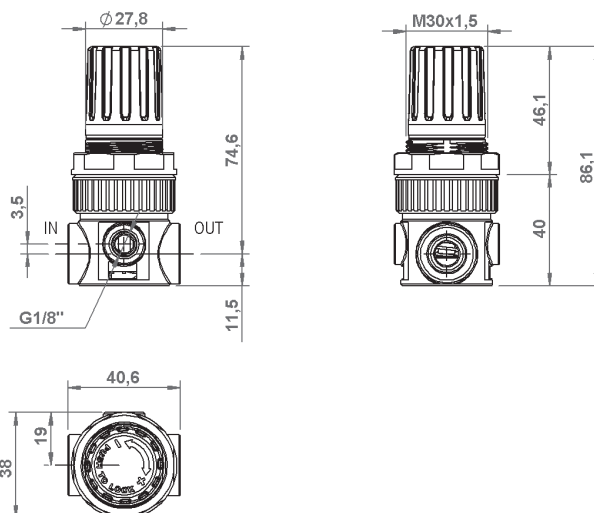
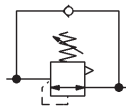
Foro di scarico del relieving maggiorato
Increased relieving exhaust hole



Fuga d'aria controllata e silenziata
Controlled and Air escape with silencer



LINE 039 1/8"-1/4" | REGULATORS SRU QUICK EXHAUST



GENERAL FEATURES

Model equipped with internal unidirectional valve enabling the quick exhaust of pressure when the circuit is depressurized. The most common application of SRU model provides the mounting of the microregulator between the control valve and the cylinder. The exhaust phase of the valve does not incur in any load loss thanks to the passage through the unidirectional valve, thus guaranteeing speed and high performance.

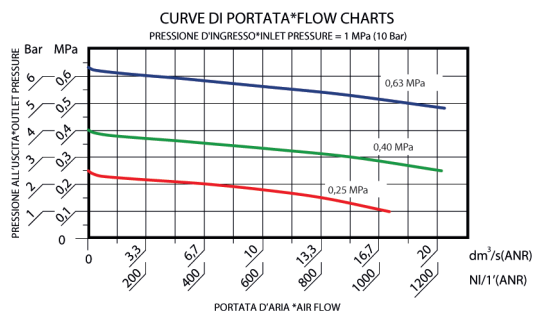
GENERAL TECHNICAL DATA

Pressure range	0-2; 0-4; 0-8; 0-12 Bar
Maximum inlet pressure	16 Bar
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	900 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max. torque inserts G1/8" IN-OUT	20 Nm
Max Torque G1/4" IN-OUT	25 Nm
Max torque gauge port	1 Nm
Weight	0,100 kg

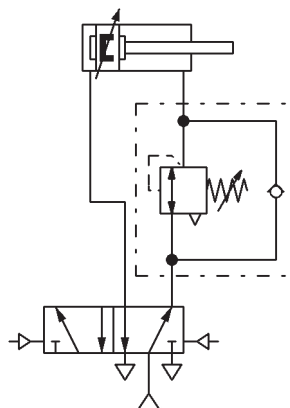
Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

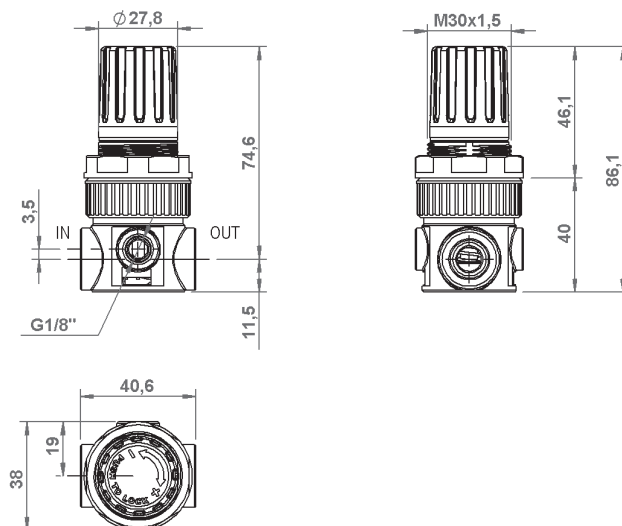
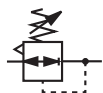
CODE	REF.
039.00.00022	MR 1/8" 039 02 R SRU
039.00.00023	MR 1/8" 039 04 R SRU
039.00.00024	MR 1/8" 039 08 R SRU
039.00.00025	MR 1/8" 039 12 R SRU
039.00.00441	MR 1/4" 039 02 R SRU
039.00.00442	MR 1/4" 039 04 R SRU
039.00.00443	MR 1/4" 039 08 R SRU
039.00.00444	MR 1/4" 039 12 R SRU



APPLICATION SCHEME



LINE 039 1/8"-1/4" | EPDM REGULATORS



GENERAL FEATURES

In this version, all the elastomers in contact with fluid (seals, diaphragm, etc.) are in EPDM so as to ensure the greatest resistance against chemical aggression.

Applications: solvent-laden working environment (painting); contact with brake fluid (non-relieving version).

High performance microregulator with balanced valve for guaranteeing great stability even upon variation of the upstream pressure and low load loss.

Available in relieving and non-relieving version.

Knob with pressure locking device.

Equipped with nut and nr. 1 plug.

GENERAL TECHNICAL DATA

Pressure range	0-2; 0-4; 0-8; 0-12 Bar
Maximum inlet pressure	16 Bar
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	900 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max. torque inserts G1/8" IN-OUT	20 Nm
Max Torque G1/4" IN-OUT	25 Nm
Max torque gauge port	1 Nm
Weight	0,100 kg

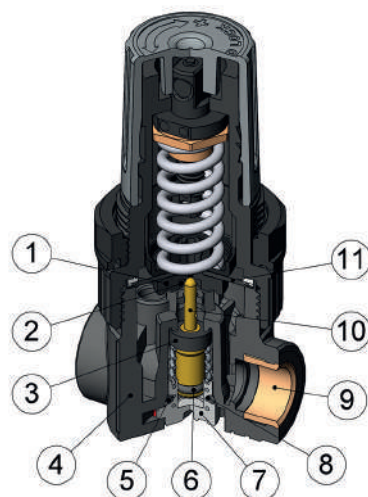
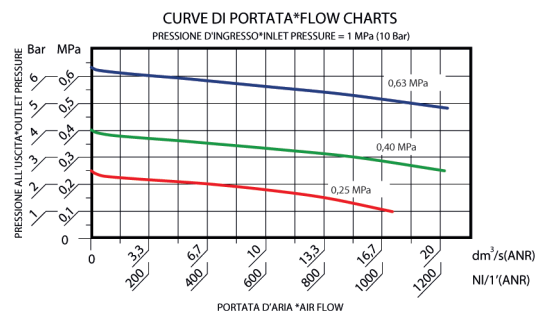
Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
Regolatore con relieving	
038.00.00300	MR 1/4" 039 02 R EPDM
038.00.00301	MR 1/4" 039 04 R EPDM
038.00.00302	MR 1/4" 039 08 R EPDM
038.00.00303	MR 1/4" 039 12 R EPDM
Non relieving regulator	
039.00.00304	MR 1/4" 039 02A EPDM
039.00.00305	MR 1/4" 039 04A EPDM
039.00.00306	MR 1/4" 039 08A EPDM
039.00.00307	MR 1/4" 039 12A EPDM

MATERIALS

- | | |
|--------------------------|--|
| 1. Diaphragm pin - POM | 7. Plug - POM |
| 2. Relieving seal - EPDM | 8. Valve spring - STAINLESS STEEL AISI 316 |
| 3. Valve sealing - EPDM | 9. Inserts - BRASS OT58 |
| 4. Regulator body - POM | 10. Valve body - BRASS OT58 |
| 5. O-Ring plug - EPDM | 11. Diaphragm - EPDM |
| 6. O-Ring valve - EPDM | |



AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

LINE 039 1/8"-1/4" | SPECIAL VERSIONS

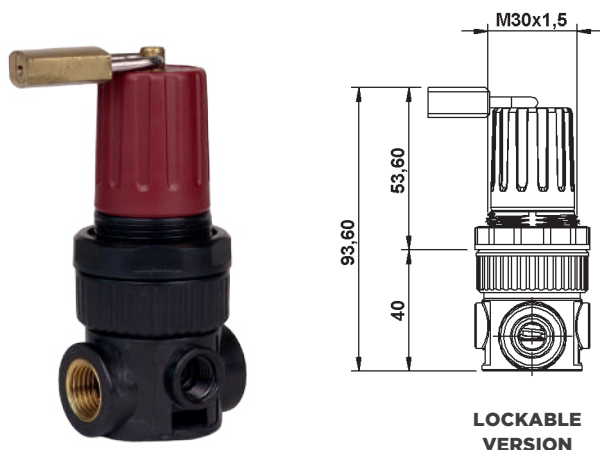
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



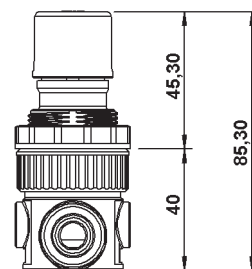
MICROREGULATOR WITH LOCK

- * All Aircomp Microregulators are available in the version with lock.
- This regulator version allows adjusting the required pressure and fix it, preventing accidental setting changes.
- * The regulator is equipped with padlock and two keys.
- * For further technical features, please refer to the respective Line, or contact our office.

GUIDE TO REFERENCES

MR 1/4" 039 08 R LK

Connection 1/8" = G1/8" 1/4" = G1/4"	Drain LK = With lock
Line 039	Version R = Relieving (for air) A = Non relieving (for water)
Pressure range 02 = 0-2 Bar 04 = 0-4 Bar 06 = 0-6 Bar 08 = 0-8 Bar 12 = 0-12 Bar	



TAMPER-PROOF VERSION

PRE-SET MICROREGULATOR

- * Microregulators with outlet pressure pre-set by our production can be supplied upon request.
- * With this version the Customer receives a pre-set Regulator featuring the required outlet pressure, equipped with tamper-proof knob.
- * The tamper-proof knob enables keeping the pre-set outlet pressure, preventing unintentional pressure adjustments.
- * In order to change the pre-set pressure, it is necessary to break the knob.
- * Line recommended for pre-set version: Line 039, that keeps high precision on outlet pressure thanks to its own features.
- * For further information about tolerance on outlet pressure, please contact our offices.

GUIDE TO REFERENCES

MR 1/4" 039 T 4 R

Connection 1/8" = G1/8" 1/4" = G1/4"	Version R = Relieving (for air) A = Non relieving (for water)
Line 039	Pre-set value 4 = 4 bar
Special type T = Pre-set version	

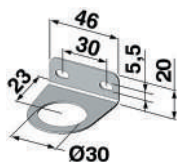
LINE 039 1/8"-1/4" | SPARE PARTS

GAUGE



CODE	Bar	Psi	A	B	CH.
A38.00.00026	0-12	0-175	40	G1/8"	14
A38.00.00055	0-6	0-85	40	G1/8"	12
A38.00.00114	0-2,5	0-36	40	G1/8"	12

BRACKET



CODE

C38.00.00069

PLUG G1/8"



CODE

B38.00.00018

PRODUCT

038 - 039

REGULATION SPRING



CODE

A38.00.00133

LINE

039

PRESSURE RANGE

0-1 Bar

A38.00.00132

039

0-2 Bar

A38.00.00131

039

0-4 Bar

A38.00.00130

039

0-8 Bar

A38.00.00129

039

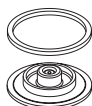
0-10 Bar

A38.00.00128

039

0-12 Bar

DIAPHRAGM KIT



CODE

C39.00.00074

LINE

039

VERSION

RELIEVING

C39.00.00075

039

NON RELIEVING

C39.00.00076

039

FA-RM

C39.00.00077

039 INOX

NON RELIEVING

C39.00.00086

039 POM

NON RELIEVING

C39.00.00094

039 EPDM

RELIEVING

C39.00.00095

039 EPDM

NON RELIEVING

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

LINE 099-1/8" e 1/4" | PRECISION REGULATORS



GENERAL FEATURES

Precision Regulator Line 099 is distinguished by high precision and stability of regulated pressure thanks to its multi-diaphragm construction concept.

The air escape feature along with a particularly sensitive relieving exhaust allow optimal performance even with low pressures.

It has been designed for accurate balance pressure setting or for working as tension controller, besides all the other applications where high precision is required.

GENERAL TECHNICAL DATA

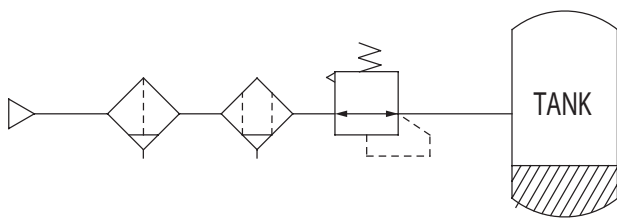
Fluid	compressed air
Connessioni IN - OUT	1/8"G e 1/4"G
Mounting position	any
Fixing	through wall bracket

GUIDE TO REFERENCES

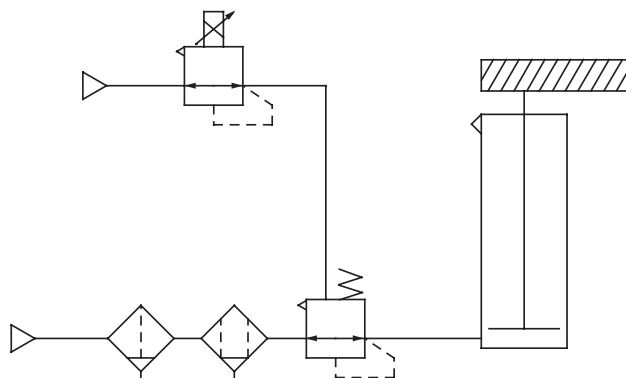
RD1 1/8" 099 02 R FA

Product RD1 = Precision regulator size 1 RD2 = Precision regulator size 2	Special type FA = Air Escape
Connection 1/4" = G1/4" 1/8" = G1/8"	Version R = Relieving
Line 099	Pressure range 02 = 0-2 Bar 04 = 0-4 Bar 08 = 0-8 Bar

Constant fluid pressure

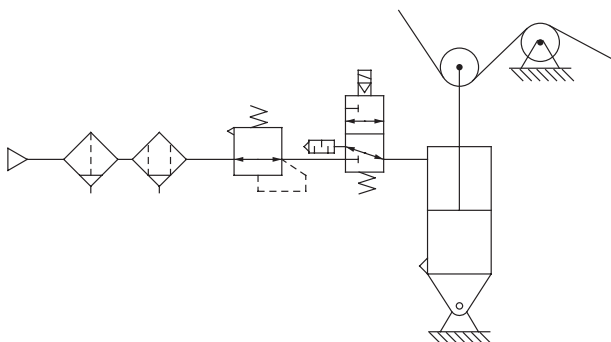


Balance pressure setting

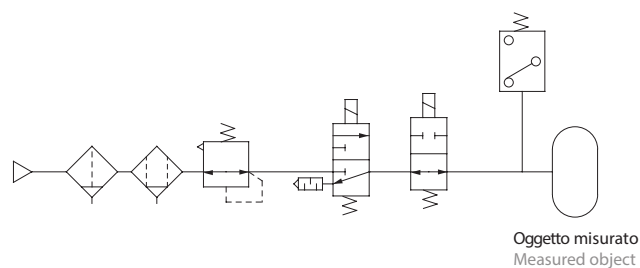


Limits pressure fluctuation when actuating cylinder

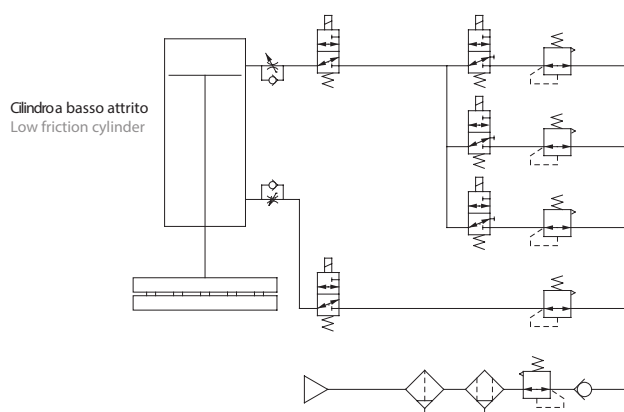
Pressure setting for tension controller



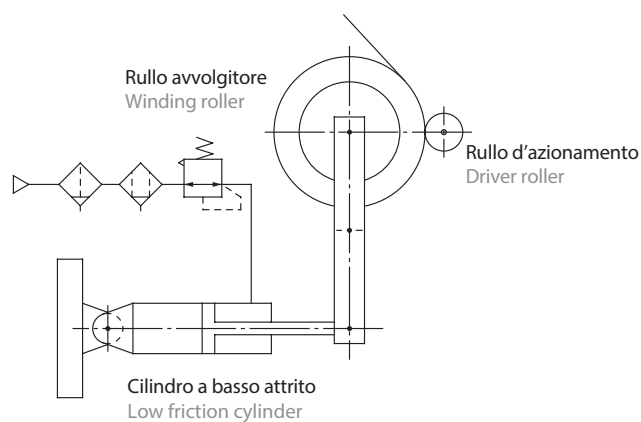
Leak test circuit



Multistage pressure control (wrapping machine)

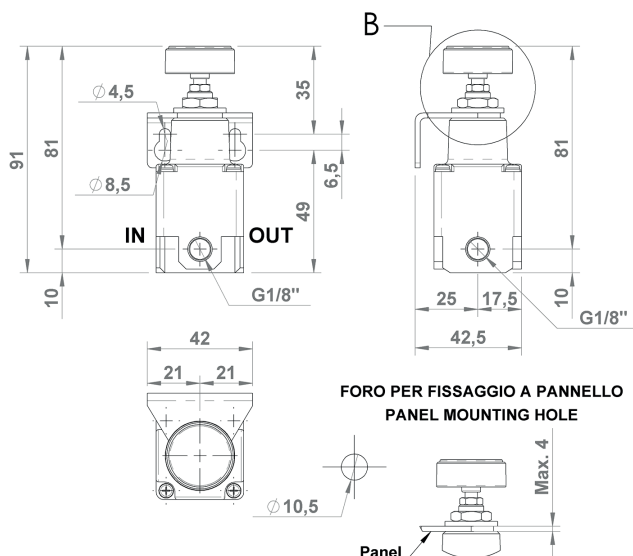


Contact pressure control



Maintains constant pressure during the cylinder working

LINE 099-1/8" | PRECISION REGULATORS



GENERAL FEATURES

Precision regulator with controlled air escape. Double-diaphragm operation ensuring a particularly high level of precision and repeatability, even at low pressures.
Equipped with nr. 1 plug and nr. 1 bracket.

GENERAL TECHNICAL DATA

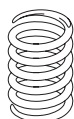
Fluid	compressed air
INLET-OUTLET connections	1/8"
Pressure range	0-2 Bar, 0-4 Bar; 0-8 Bar
Sensitivity	0,2% F.S.
Repeatability	0,5% F.S.
Working pressure	0 - 10 Bar
Reference flow rate	see the flow chart
Working temperature (a 10 bar)	-5 / +60°C*
Weight	0,150 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

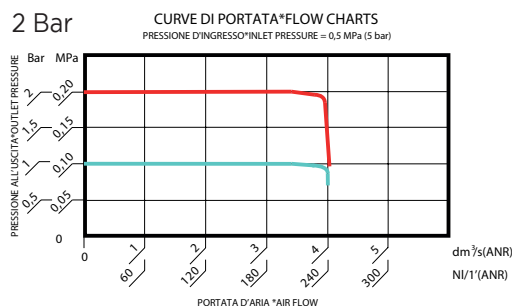
CODE	REF.
099.01.01.001	RD1 1/8 099 02 R FA
099.01.01.002	RD1 1/8 099 04 R FA
099.01.01.003	RD1 1/8 099 08 R FA

SPARE PARTS REGULATION SPRING

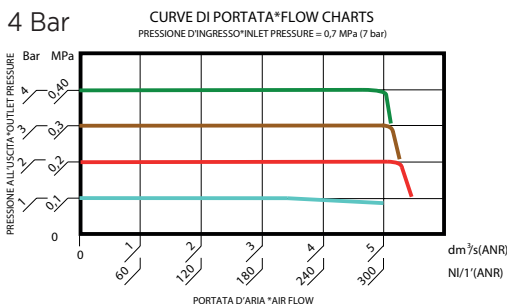


CODE	PROD.	PRESSURE RANGE
A99.01.01.001	RD1	0+2 Bar
A99.01.01.002	RD1	0+4 Bar
A99.01.01.003	RD1	0+8 Bar

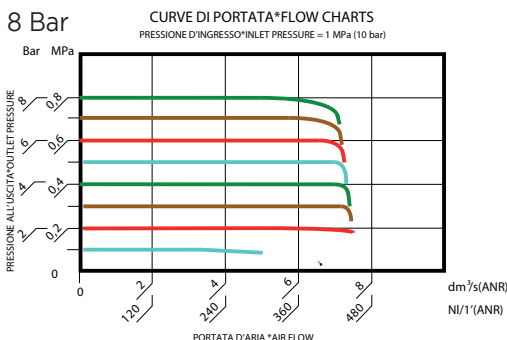
2 Bar



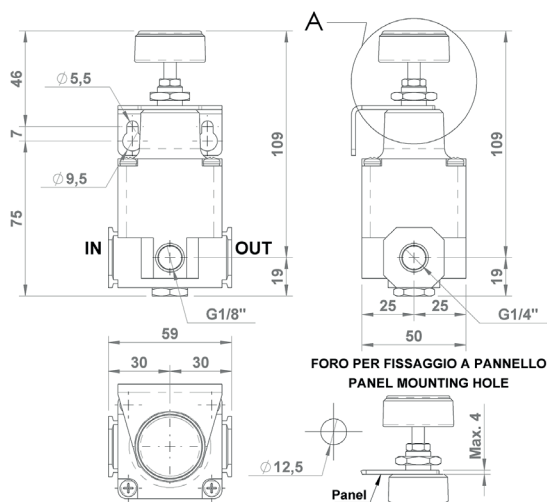
4 Bar



8 Bar



LINE 099-1/4" | PRECISION REGULATORS



GENERAL FEATURES

Precision regulator with controlled air escape. Double-diaphragm operation ensuring a particularly high level of precision and repeatability, even at low pressures.

Equipped with nr. 1 plug and nr. 1 bracket.

GENERAL TECHNICAL DATA

Fluid	compressed air
INLET-OUTLET connections	1/4"
Pressure range	0-2 Bar, 0-4 Bar; 0-8 Bar
Sensitivity	0,2% F.S.
Repeatability	0,5% F.S.
Working pressure	0 - 10 Bar
Reference flow rate	see the flow chart
Working temperature (a 10 bar)	-5 / +60°C*
Weight	0,300 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

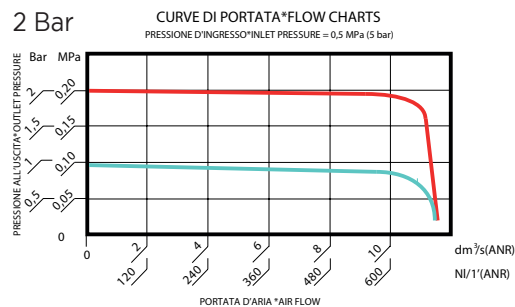
CODE	REF.
099.02.01.001	RD2 1/4 099 02 R FA
099.02.01.002	RD2 1/4 099 04 R FA
099.02.01.003	RD2 1/4 099 08 R FA

SPARE PARTS REGULATION SPRING

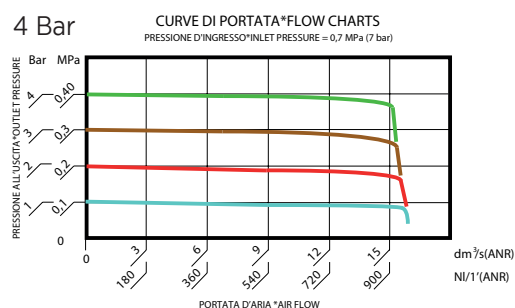


CODE	PROD.	PRESSURE RANGE
A99.02.01.001	RD2	0+2 Bar
A99.02.01.002	RD2	0+4 Bar
A99.02.01.003	RD2	0+8 Bar

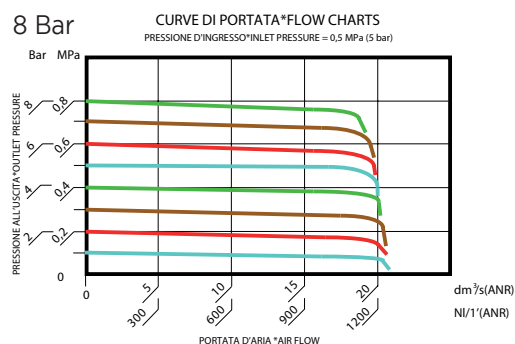
2 Bar



4 Bar



8 Bar



LINE 035-1/8" | MODULAR UNITS

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



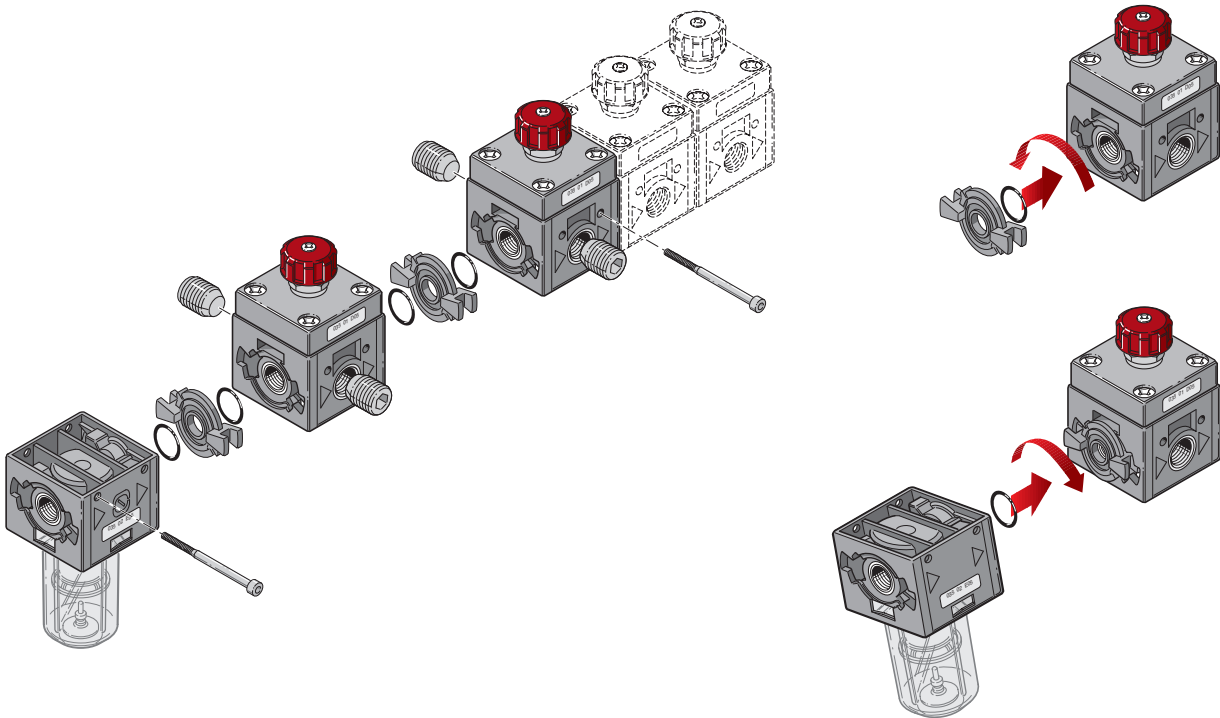
GENERAL FEATURES

Modular units Line 035 are particularly compact and have been designed for the filtering and regulation of fluids. They are available in the version for compressed air and also for water (non relieving). The combination of filter and regulator also in battery set assembly endows great application flexibility to this Line.

GENERAL TECHNICAL DATA

Fluid	compressed air - water
Working temperature max (a 10 bar):	+50°C
Connections IN-OUT	1/8"G
Assembling type	Assembling kit
Mounting position	see singol components
Wall fixing	through holes on the body

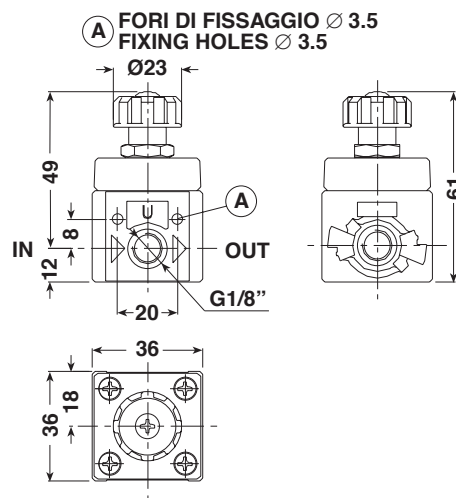
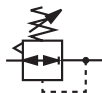
MODULAR ASSEMBLING



FASE 1
STEP 1

FASE 2
STEP 2

LINE 035-1/8" | REGULATORS



GENERAL FEATURES

Modular regulator with diaphragm operation and not-balanced valve.

Available in relieving version for air and non-relieving for water.
Equipped with nr. 1 plug.

GENERAL TECHNICAL DATA

Pressure range	0-6 Bar
Maximum inlet pressure	10 Bar
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	250 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max. torque inserts G1/8" IN-OUT	20 Nm
Weight	0,080 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
035.01.00007	MR 1/8" 035 06 R

For the non-relieving models please go to Water preparation section.

GUIDE TO REFERENCES

MR 1/8" 035 06 R

Product
MR = Microregulators

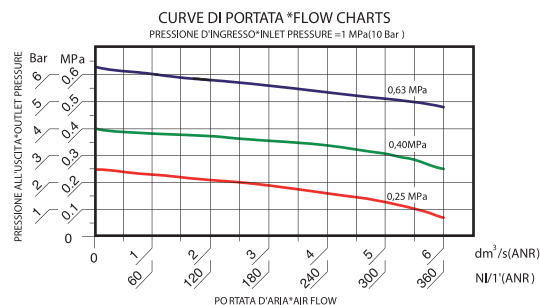
Connection
1/8" = G 1/8"

Line
035

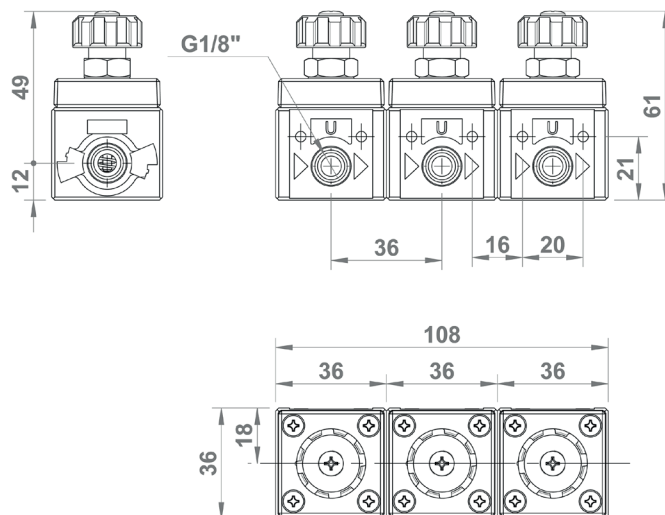
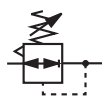
Version
= Standard
B = for battery

Version
R = Relieving (for air)
A = Non relieving (for water)

Pressure range
06 = 0 - 6 Bar



LINE 035-1/8" | REGULATORS FOR BATTERIES



GENERAL FEATURES

Modular regulator for battery set, with common inlet and regulated pressure on front connections.

Constant supply for all regulators and independent regulation for each port.

Available in relieving version for air and non-relieving for water. Assembling kit art. C500100018.

Knob with locking pressure nut.

Equipped with nr. 1 plug.

GENERAL TECHNICAL DATA

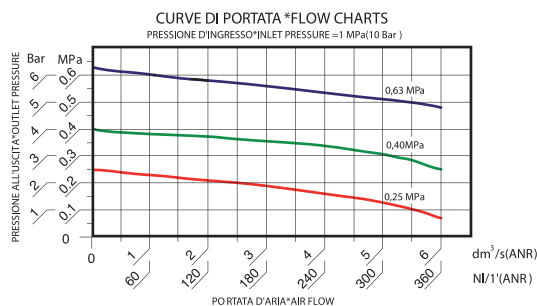
Pressure range	0-6 Bar
Maximum inlet pressure	10 Bar
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	250 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max. torque inserts G1/8" IN-OUT	20 Nm
Weight	0,080 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
035.01.00005	MR 1/8" 035 06 R B

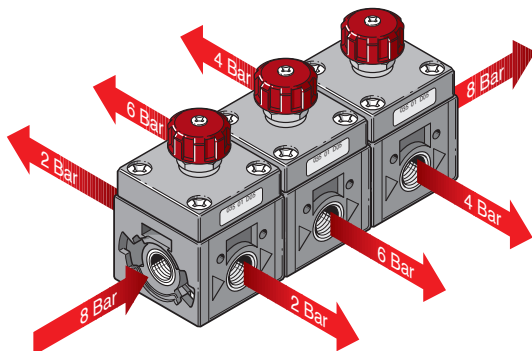
For the non-relieving models please go to Water preparation section.



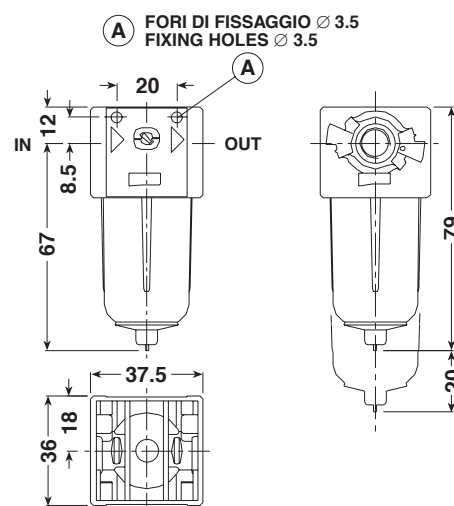
GUIDE TO REFERENCES

MR 1/8" 035 06 R

Product MR = Microregulators	Version = Standard B = for battery
Connection 1/8" = G 1/8"	Version R = Relieving (for air) A = Non relieving (for water)
Line 035	Pressure range 06 = 0 - 6 Bar



LINE 035 1/8" F | MODULAR FILTERS



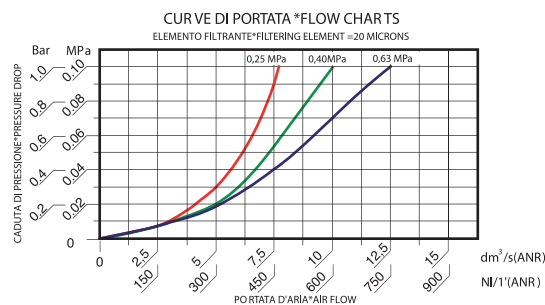
GENERAL FEATURES

Modular filter particularly compact.
It can be wall mounted through the holes prearranged on the body.
Manual condensate drain or without drain (for water).
Bowl realized from transparent hardened polyamide.

GENERAL TECHNICAL DATA

Working pressure	0,5-7 Bar
Filtering degree	5 micron; 20 micron ; 80 micron (water)
Reference flow rate (P1= 10 bar ΔP= 1 bar)	750 NI/min
Working temperature (a 7 bar)	-5 / +50°C*
Bowl capacity	8 cc
Max. torque inserts G1/8" IN-OUT	20 Nm
Weight	0,050 kg

Below 3°C the air of the circuit must be free from humidity



ORDERING CODE

CODE	REF.
035.02.00003	F 1/8" 035 5 TT SS
035.02.*****	F 1/8" 035 20 TT SS

For the version for water please see Water Preparation.

GUIDE TO REFERENCES

F 1/8" 035 20 TT SS

Product F = Filtro	Condensate Drain SS = Manual — = — Closed bowl
Connection 1/8" = G 1/8"	Bowl TT = Transparent
Line 035	Filtering element 5 = 5 micron 20 = 20 micron 80 = 80 micron

AIR PREPARATION

VALVES

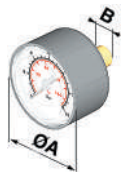
CYLINDERS

FITTINGS

WATER PREPARATION

LINE 035 1/8" | SPARE PARTS

GAUGE



CODE	Bar	Psi	A	B	CH.
A35.01.00035	0-6	-	25	G1/8"	11
A35.01.00025	0-12	0-175	25	G1/8"	11

PLUG G1/8"



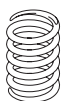
CODE	PRODUCT
B38.00.00018	MR - MR P

KIT ASSEMBLING UNITS



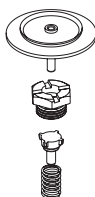
CODE	PRODUCT
C35.01.00018	MR - F - MF

REGULATION SPRING



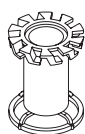
CODE	LINE	RANGE OF PRESSURE
A35.01.00006	035	0-6 Bar

DIAPHRAGM WITH VALVE



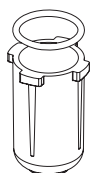
CODE	PRODUCT	VERSION
C38.00.00049	MR	RELIEVING
C38.00.00050	MR - MR P	NON RELIEVING

FILTERING ELEMENT



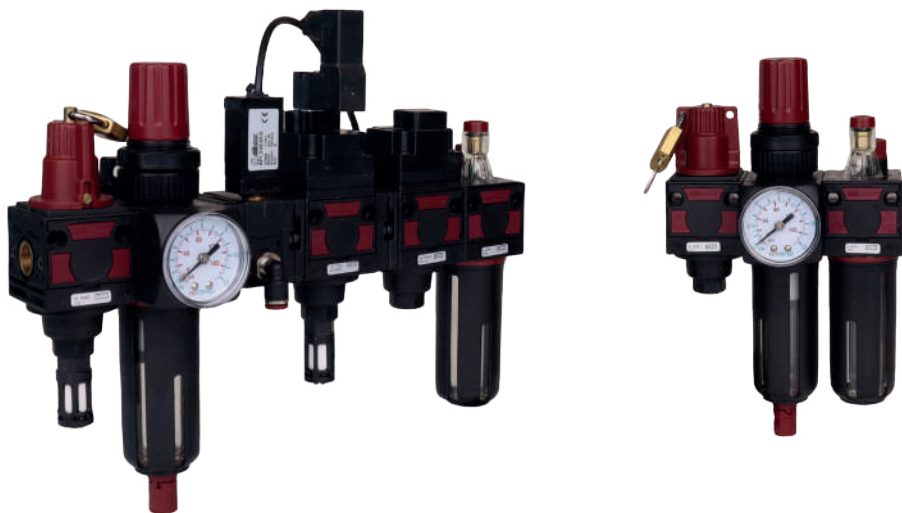
CODE	PRODUCT	VERSION
C35.02.00006	F	20 Micron
C35.02.00010	F	5 Micron
C35.02.00005	F	80 Micron

BOWL FOR FILTER



CODE	PRODUCT	VERSION
C35.02.00004	F - MF	SS
C35.03.00001	F	for water

LINE 042 1/4" | MODULAR UNITS



GENERAL FEATURES

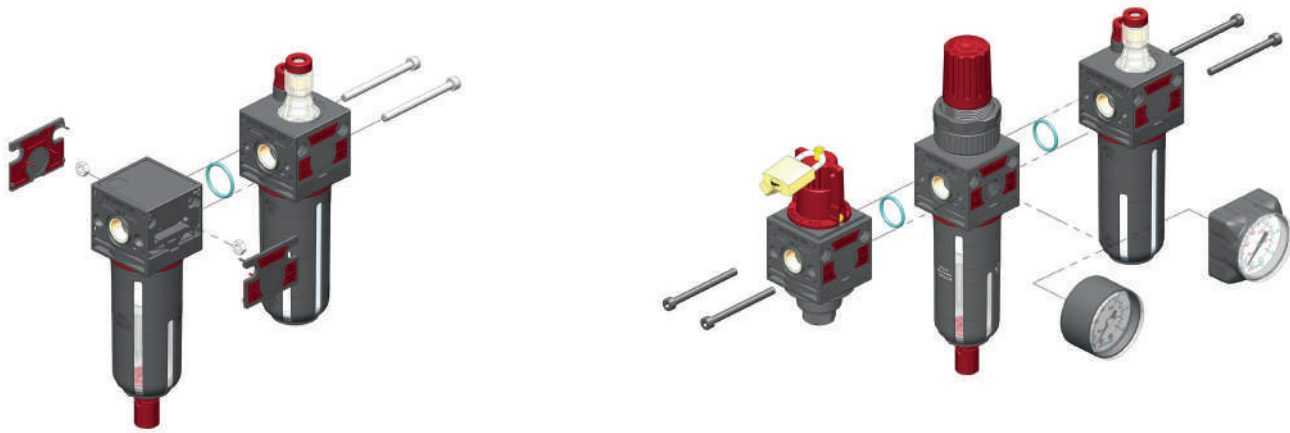
Modular units Line 042 have been designed for delivering the utmost assembling flexibility in order to realize battery sets featuring exactly the functions that customer's application requires. The additional available modules are the following:

- V3 manual shut-off valve with lock
- SV electric or pneumatic shut-off valve
- AVP slow-start valve
- MF coalescing microfilter 0,01 micron
- CF activated carbon filter
- PA additional air inlet , intermediate, inlet or outlet

GENERAL TECHNICAL DATA

Fluid	compressed air
Working temperature (a 10 bar):	-5 / +50°C
Connections IN-OUT	G1/4"
Assembling type	Unit kit or battery kit
Mounting position	see singol components
Wall fixing	through holes on the body or brackets
Version with lock	V3 standard; R and FR upon request
Preset tamper-proof version	R and FR upon request

UNITS ASSEMBLING KIT



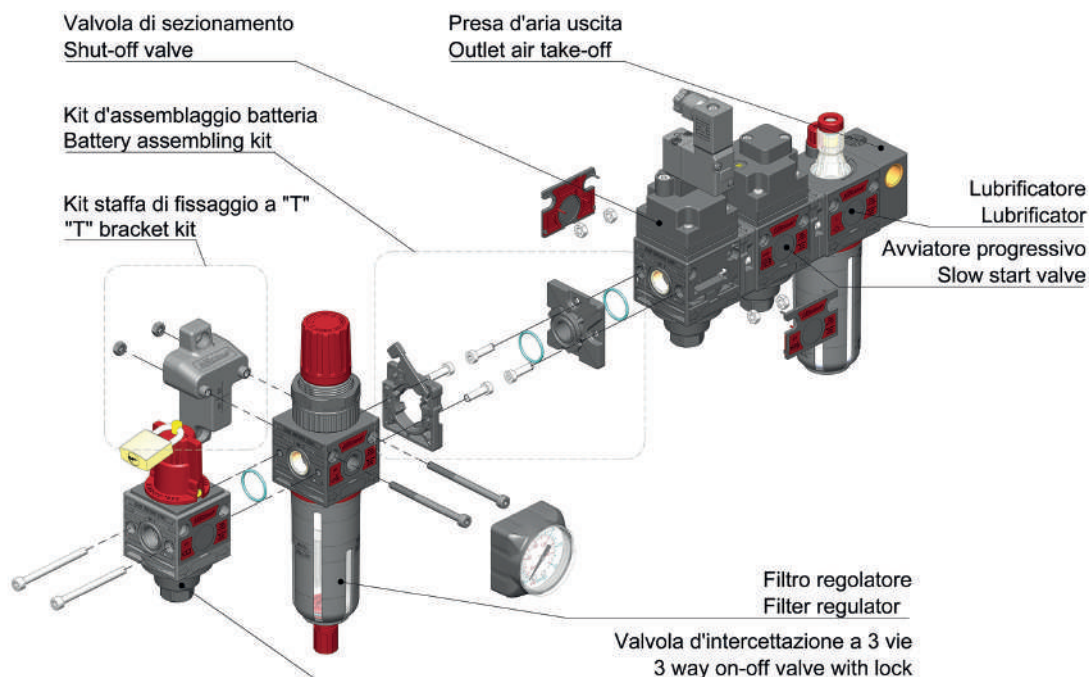
Art. C400600001 assembling kit for units FRL 042: for assembling sets of 2 or 3 units: FR+L; F+R+L; V3+FR+L or F+L; F+MF

AIR PREPARATION
VALVES
CYLINDERS
FITTINGS
WATER PREPARATION

LINE 042 1/4" | MODULAR UNITS

BATTERY ASSEMBLING KIT (SLIM KIT)

Art. C420600007 Slim Kit: assembling kit for battery sets FRL 042: it can be used for all combinations



This Kit, that has been designed for providing the greatest flexibility in configuring battery sets Line 042, even offers the possibility to turn 90° the components with respect to the main axis.

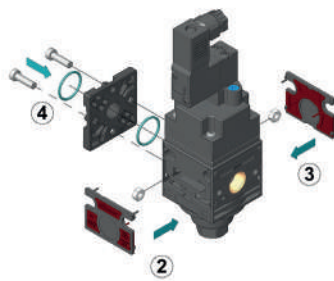
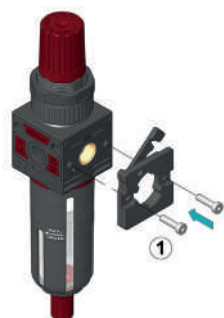
STANDARD ORIENTATION



90° ORIENTATION



HOW TO ASSEMBLE



ASSEMBLY PHASES:

1. Assemble the kit left side (you can always find fixing nuts on the body of regulator and filter regulator)

2-3. Remove temporarily the plates, replace the holding bit with the nuts.

4. Assemble the kit right side

5. Turn one of the two units for allowing the locking.

6. Reposition the unit to its correct position.

7. Lock the safety tooth.

LINE 042 1/4" | MODULAR UNITS

CONDENSATE DRAIN

The condensate building up within the pneumatic systems is often causing malfunctioning and expensive extraordinary maintenance. Therefore, it is of utmost importance providing a good separation operated by the filter and an effective drainage to the outside, in order to avoid an excessive piling up. Aircomp offers the opportunity to equip the filters with different types of condensate drain according to the system requirements.

SEMI-AUTOMATIC DRAIN (SS)



Semiautomatic drain is supplied as standard on all Aircomp Lines. The standard drain closes when the bowl is pressurized (min. P 0,5 bar) and opens discharging the condensate whenever the unit is depressurized.

The drain can be manually set to always "closed" modality (closed both when the bowl is pressurized and depressurized).

FLOAT TYPE AUTOMATIC DRAIN (SA)



Float type automatic drain opens even when the bowl is pressurized upon reaching a set condensate level. The excess condensate is discharged to the outside and can be conveyed connecting a drainage hose to the duct.

DIFFERENTIAL AUTOMATIC DRAIN (SAD)



Differential automatic drain opens even when the bowl is pressurized but only when there is air consumption (min. delta P = 0,2 bar) and upon reaching a set condensate level. The excess condensate is discharged to the outside. It is possible to connect a drainage hose to the duct.

OPEN 1/8 CONNECTION (S18)



The seat with female thread 1/8", available upon request, allows the connection to alternative remote open/close systems, such as exhaust solenoid valves.

It is available also with locking pin with "manual drain" function.

UNITS WITH COMPACT GAUGE

Units can be requested complete with gauge.

In this case, they are equipped with our compact gauge offering following advantages:

Visibility: The wide display ensures a better visibility.

Compactness: Designed for having reduced dimensions, the Compact Gauge restrains the risk of breaking.

Easiness: Simple mounting without tools. Tightness is guaranteed by an O-Ring, no teflon or sealant are required.

Versatility: The new Compact Gauge can be re-used on other Aircomp units. In case of need, it can be replaced with other commercial gauges.



LINE 042 1/4" | MODULAR REGULATORS

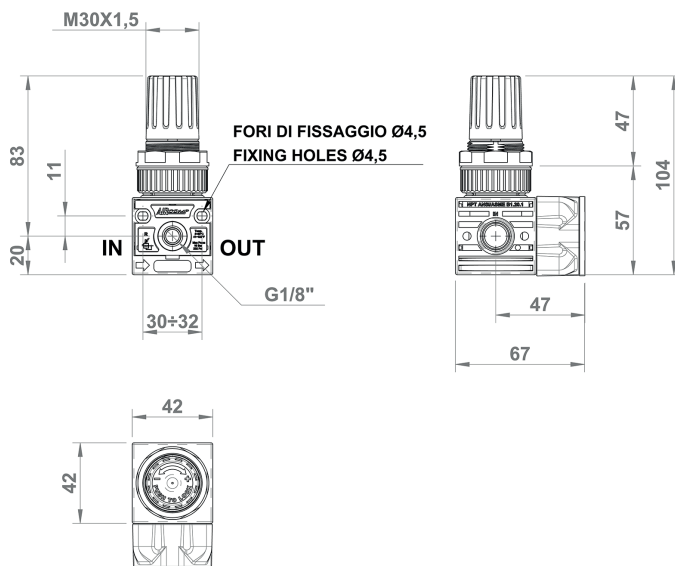
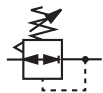
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



GENERAL FEATURES

Modular regulator with balanced valve which ensures big flow rate and low load loss.

Relieving for a quick exhaust of the downstream overpressure.

Knob with pressure locking device.

Equipped with nut and nr. plug.

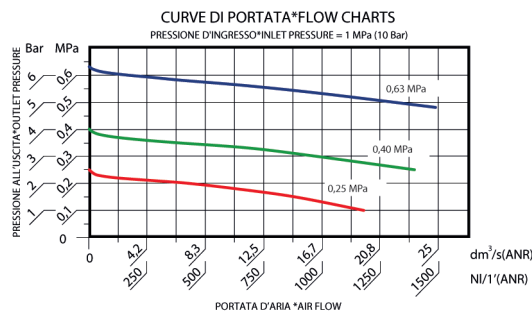
GENERAL TECHNICAL DATA

Pressure range	0-4; 0-8; 0-12 Bar
Maximum inlet pressure	16 Bar
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	1.200 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque G1/4" IN-OUT	25 Nm
Max torque gauge port	round gauge: 1 Nm compact gauge: manual
Weight	0,125 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
042.01.00004	R 1/4" 042 04 R
042.01.*****	R 1/4" 042 08 R
042.01.00006	R 1/4" 042 12 R



For the non-relieving models please go to Water preparation section.

GUIDE TO REFERENCES

R 1/4" 042 08 R LK

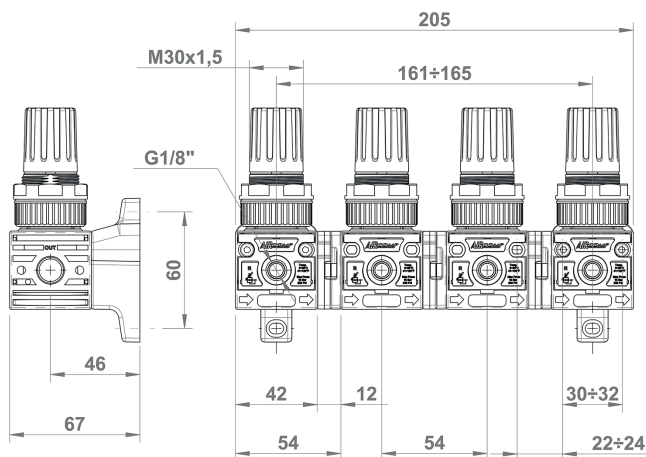
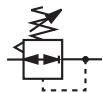
Product R = Regulator	Special type LK = Lockable
Connection 1/4" = G 1/4" 3/8" = G 3/8" 1/2" = G 1/2" 3/4" = G 3/4" 1" = G 1"	Version = Standard B = For battery
Line 042 050 052 075 080 095	Version R = Relieving
	Range of pressure 04 = 0 - 4 Bar 08 = 0 - 8 Bar 12 = 0 - 12 Bar



WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?
Replace 0 with "M" the the 6th digit of the part nr. for example:

042.01.M0004 R 1/4" 042 04R + GAUGE

LINE 042 1/4" | REGULATORS FOR BATTERY



GENERAL FEATURES

Modular regulator for BATTERY assembling, with common inlet and regulated pressure on the front connections.
Constant supply for all regulators and independent regulation pressure for each port.
Relieving for a quick exhaust of downstream overpressure.
Knob with locking pressure device.
Equipped with nut and nr. 1 plug.

GENERAL TECHNICAL DATA

Pressure range	0-2; 0-4; 0-8; 0-12 Bar
Maximum inlet pressure	16 Bar
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	600 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
INLET-OUTLET connections	G1/4"
Regulated pressure connections	G1/8"
Max Torque G1/4" IN-OUT	25 Nm
Max torque gauge port round	1 Nm
Weight	0,125 kg

Below 3°C the air of the circuit must be free from humidity

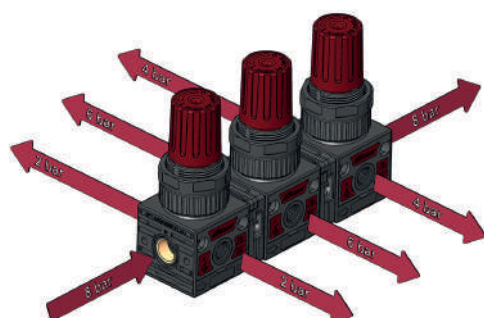
ORDERING CODE

CODE	REF.
042.01.00045	R 1/4" 042 02 R B
042.01.00046	R 1/4" 042 04 R B
042.01.00047	R 1/4" 042 08 R B
042.01.00048	R 1/4" 042 12 R B

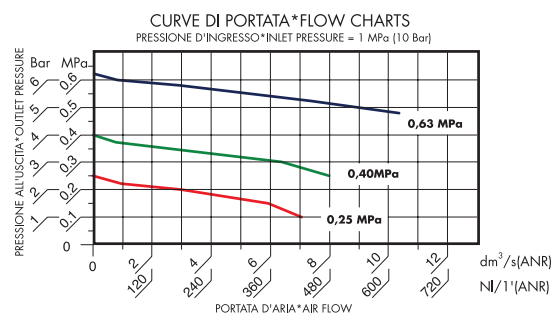
For the non-relieving models please go to Water preparation section.



Please note: the regulator for battery is not suitable for the COMPACT gauge. The round gauge must be used.



Assembling scheme



GUIDE TO REFERENCES

R 1/4" 042 08 R LK

Product
R = Regulator

Connection
1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

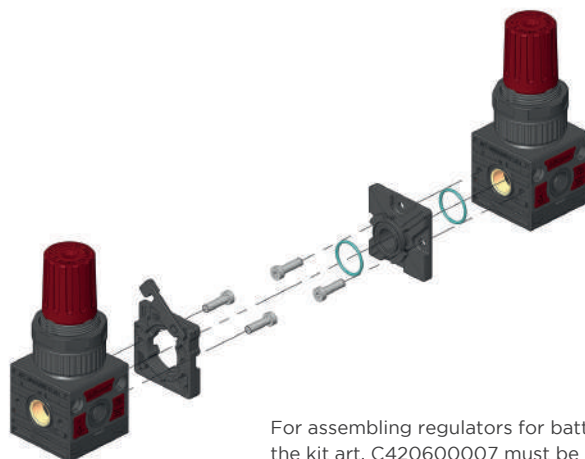
Line
042
050
052
075
080
095

Special type
LK = Lockable

Version
= Standard
B = For battery

Version
R = Relieving

Range of pressure
04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar



For assembling regulators for battery, the kit art. C420600007 must be used.

LINE 042 1/4" | MODULAR FILTERS

AIR PREPARATION

VALVES

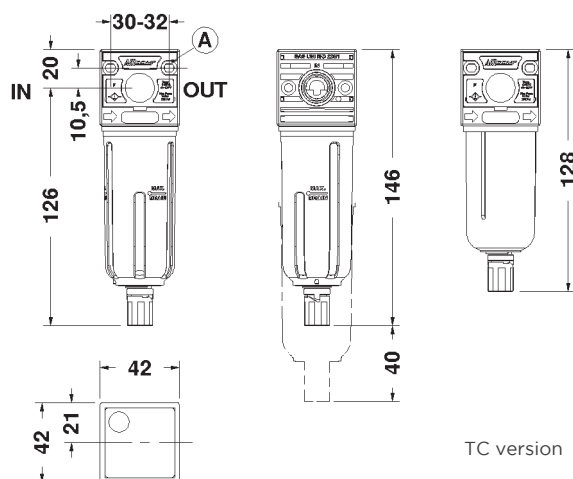
CYLINDERS

FITTINGS

WATER PREPARATION



A FORI DI FISSAGGIO Ø4.5
FIXING HOLES Ø4.5



PE and TT version.

TC version

GENERAL FEATURES

Modular filter delivering high degree of condensate separation and low load loss.

It can be wall mounted through the holes prearranged on the body. Equipped with semiautomatic condensate drain as standard (SS). Available options: float type automatic drain (SA) and differential (SAD), which can convey condensate to the outside even when the bowl is pressurized.

Bowl made from hardened polyamide, available in following configurations:

TT = transparent; PE = outer guard; TC = short transparent.

GENERAL TECHNICAL DATA

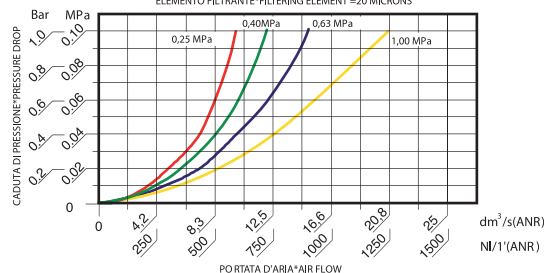
Maximum inlet pressure	16 Bar
Drain working pressure	mod. SS: 0,5 - 16 Bar mod. SA: 1,5 - 10 Bar mod. SAD: 2 - 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate (P1= 10 bar ΔP= 1 bar)	1.250 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Bowl capacity	TT = 22cc; PE = 22cc; TC = 15cc
Max Torque G1/4" IN-OUT	25 Nm
Weight	0,095 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
042.02.*****	F 1/4" 042 20 TT SS
042.02.00109	F 1/4" 042 5 TT SS
042.02.00072	F 1/4" 042 20 PE SS
042.02.00118	F 1/4" 042 5 PE SS
042.02.00110	F 1/4" 042 20 TC SS (short bowl)
042.02.00176	F 1/4" 042 5 TC SS (short bowl)
Float type automatic drain version.	
042.02.00151	F 1/4" 042 20 TT SA
042.02.00152	F 1/4" 042 5 TT SA
042.02.00153	F 1/4" 042 20 PE SA
042.02.00154	F 1/4" 042 5 PE SA
"Differential" automatic drain version.	
042.02.00180	F 1/4" 042 20 TT SAD
042.02.00181	F 1/4" 042 5 TT SAD
042.02.00182	F 1/4" 042 20 PE SAD
042.02.00183	F 1/4" 042 5 PE SAD

CURVE DI PORTATA *FLOW CHARTS
ELEMENTO FILTRANTE *FILTERING ELEMENT =20 MICRONS



GUIDE TO REFERENCES

F 1/4" 042 20 PE SS

Product

F = Filter
MF = Microfilter
CF = Activated carbon

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

Condensate Drain

SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

Tazza

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

Filtering element

5 = 5 micron
20 = 20 micron
0,01 = 0,01 micron
CA = Activated carbon

LINE 042 1/4" | COALESCING MICROFILTERS (OIL REMOVER)



GENERAL FEATURES

Modular filter with coalescing cartridge made from glass borosilicate fiber providing high filtering efficiency (99,97% on 0,01 micron particles).

It is recommended to install a 5 micron filter upstream in order to allow a longer life of the coalescing cartridge.

Application: it is suitable for removing oil remnants in pneumatic circuits.

It can be wall mounted through the holes prearranged on the body. Equipped with semiautomatic condensate drain as standard (SS). Bowl made from hardened polyamide, available in following configurations: TT = transparent; PE = outer guard; TC = short transparent.

GENERAL TECHNICAL DATA

Maximum inlet pressure	16 Bar
Drain working pressure	0,5 Bar
Filtering degree	0,01 micron
Recommended max flow rate	180 NI/min
Working temperature (a 10 bar)	-5 / +50°C
Bowl capacity	TT = 22cc; PE = 22cc; TC = 15cc
Max Torque G1/4" IN-OUT	25 Nm
Weight	0,095 kg

ORDERING CODE

CODE	REF.
042.02.00064	MF 1/4" 042 0,01 TT SS
042.02.00115	MF 1/4" 042 0,01 PE SS
042.02.00111	MF 1/4" 042 0,01 TC SS (short bowl)

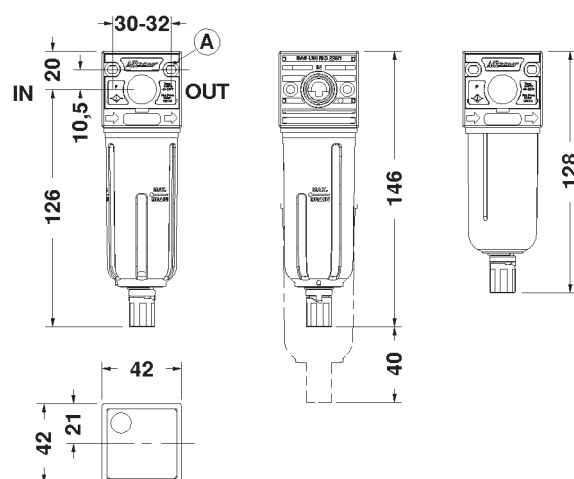
Float type automatic drain version.

042.02.00159	MF 1/4" 042 0,01 TT SA
042.02.00160	MF 1/4" 042 0,01 PE SA

"Differential" automatic drain version.

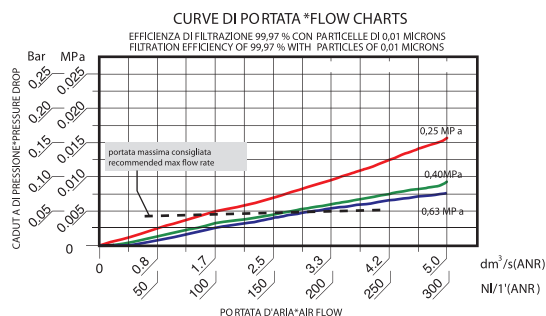
042.02.00184	MF 1/4" 042 0,01 TT SAD
042.02.00185	MF 1/4" 042 0,01 PE SAD

A FORI DI FISSAGGIO Ø4.5 FIXING HOLES Ø4.5



PE and TT version.

TC version



GUIDE TO REFERENCES

F 1/4" 042 20 PE SS

Product

F = Filter
MF = Microfilter
CF = Activated carbon

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

Condensate Drain

SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

Bowl

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

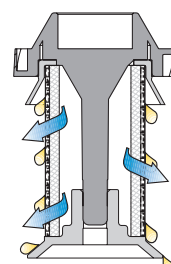
Filtering element

5 = 5 micron
20 = 20 micron
0,01 = 0,01 micron
CA = Activated carbon

COALESCENT CARTRIDGE

FUNCTIONING

The air with impurity enter into the special high efficiency cartridge, which stops solid particles, captures and joins outside the oil particles (coalescing effect), so that they can easily fall to the bottom of the bowl and be drained outside. In doing so, the filtered air will be free from solid impurities and liquid particles.



LINE 042 1/4" | CARBON FILTERS

AIR PREPARATION

VALVES

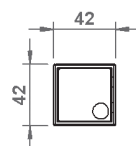
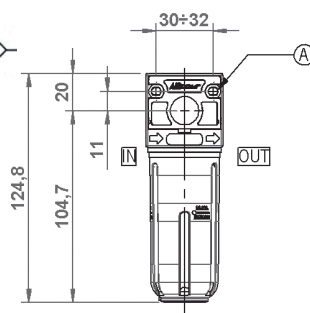
CYLINDERS

FITTINGS

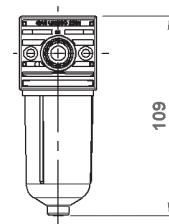
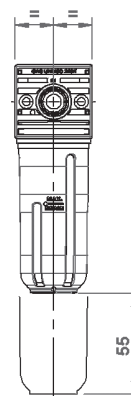
WATER PREPARATION



① FORI DI FISSAGGIO Ø4,5
FIXING HOLES Ø4,5



PE and TT version.



TC version

GENERAL FEATURES

Aircomp activated carbon filter exploits the absorption properties of activated carbon in order to increase air purity and eliminate unpleasant smell in the air aimed at the industrial sector. The activated carbon filter, in order to guarantee its performance, needs to be associated with a coalescing filter, that should be preceded by a 5 Micron filter (F+MF+CF). It can be wall mounted through the holes prearranged on the body. Closed bowl (without drain) made from hardened polyamide, available in following configurations: TT = transparent; PE = outer guard; TC = short transparent.

GENERAL TECHNICAL DATA

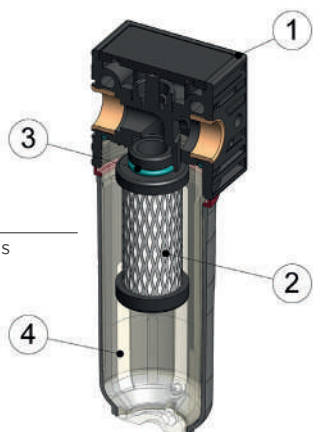
Fluid	compressed air
Maximum inlet pressure	16 Bar
Filtering cartridge	activated carbon
Life of cartridge	Replacement against pressure drop higher than 0,75 bar. Anyhow, do not exceed 2,000 working hours. Saturation of activated carbon may not cause pressure drop.
Reference flow rate	see the flow chart
Working temperature (a 10 bar)	-5 / +50°C
Max Torque G1/4" IN-OUT	25 Nm
Weight	0,10 kg

ORDERING CODE

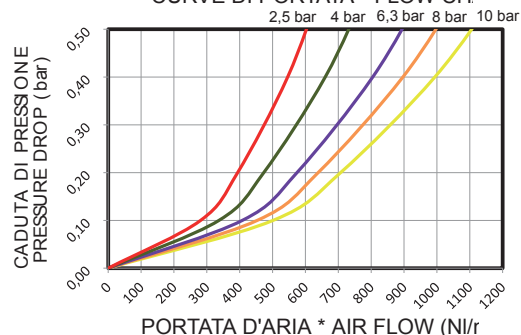
CODE	REF.
042.02.00300	CF 042 1/4 CA TT
042.02.00301	CF 042 1/4 CA TC (short bowl)
042.02.00302	CF 042 1/4 CA PE

COMPONENTI

1. **Body** - resina acetalica + brass
2. **Carbon filter cartridge**
3. **O-ring** - NBR
4. **Bowl** - Toughened PA



CURVE DI PORTATA * FLOW CH.



GUIDE TO REFERENCES

F 1/4" 042 20 PE SS

Product

F = Filter
MF = Microfilter
CF = Activated carbon

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

Condensate Drain

SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

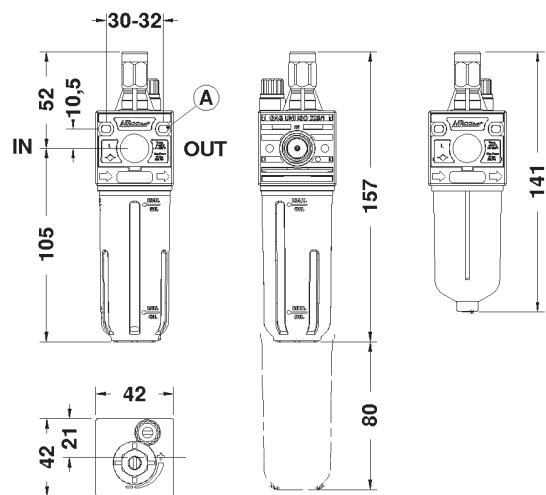
Bowl

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

Filtering element

5 = 5 micron
20 = 20 micron
0,01 = 0,01 micron
CA = Activated carbon

LINE 042 1/4" | LUBRICATORS



PE and TT version.

TC version

GENERAL FEATURES

Proportional oil mist lubricator allowing a constant oil delivery over time.

Oil suction even under low flow rate with high sensitivity in the lubricant adjustment.

Oil filling plug.

It can be wall mounted through the holes prearranged on the body.

Closed bowl (without drain) made from hardened polyamide, available in following configurations: TT = transparent; PE = outer guard; TC = short transparent.

GENERAL TECHNICAL DATA

Maximum inlet pressure	16 Bar
Bowl capacity	TT= 42cc; PE=42cc; TC=32cc
Recommended oil viscosity	ISO VG32
Reference flow rate (P1= 10 bar ΔP= 1 bar)	2.060 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque G1/4" IN-OUT	25 Nm
Weight	0,095 kg

Below 3°C the air of the circuit must be free from humidity

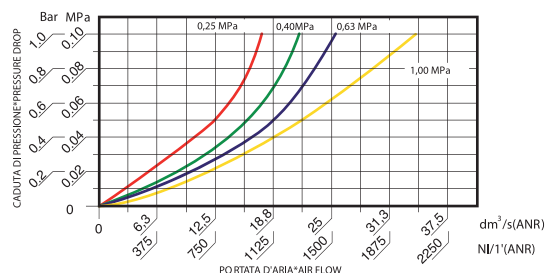
ORDERING CODE

CODE	REF.
042.03.*****	L 1/4" O42 TT
042.03.00072	L 1/4" O42 PE
042.03.00078	L 1/4" O42 TC (short bowl)

MINIMUM OPERATING FLOW RATE

INLET PRESSURE			MINIMUM AIR FLOW RATE		
Psi	MPa	Bar	dm ³ /s (ANR)	NI/T' (ANR)	SCFM
36	0,25	2,50	0,36	22	0.77
58	0,40	4,00	0,43	26	0.92
91	0,63	6,30	0,50	30	1.05

CURVE DI PORTATA *FLOW CHARTS



GUIDE TO REFERENCES

L 1/4" O42 PE

Product

L = Lubricator

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

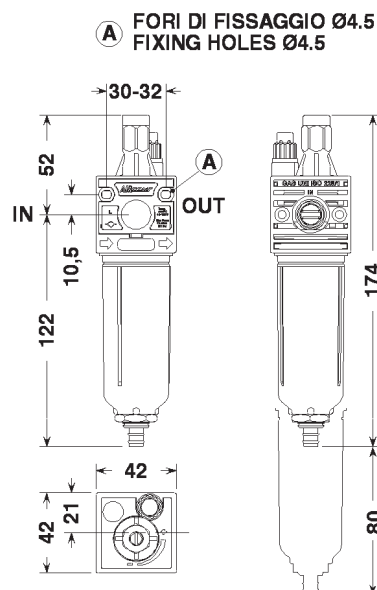
Version

= Standard
VL = Vacuum filling
IL = Min Level indicator
IM = Max/Min Level indicator (Line 095 only)

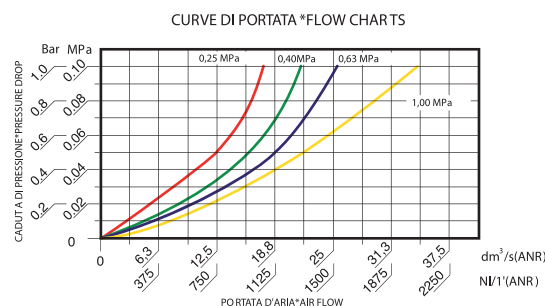
Bowl

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

LINE 042 1/4" | VL VACUUM FILLING LUBRICATORS



PE and TT version.



GENERAL FEATURES

Proportional oil mist lubricator with oil filling from an external tank without interrupting the operation of the system.

Oil suction even under low flow rate with high sensitivity in the lubricant adjustment.

It can be wall mounted through the holes prearranged on the body.

Closed bowl (without drain) made from hardened polyamide, available in following configurations: TT = transparent; PE = outer guard; TC = short transparent.

GENERAL TECHNICAL DATA

Maximum inlet pressure	16 Bar
Minimum working pressure	4 Bar
Bowl capacity	TT= 42cc; PE=42cc
Recommended oil viscosity	ISO VG32
Reference flow rate (P1= 10 bar ΔP= 1 bar)	2.060 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque G1/4" IN-OUT	25 Nm
Weight	0,14 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
042.03.00500	L 1/4" O42 TT VL
042.03.00501	L 1/4" O42 PE VL

MINIMUM OPERATING FLOW RATE

INLET PRESSURE			MINIMUM AIR FLOW RATE		
Psi	MPa	Bar	dm³/s (ANR)	NI/11 (ANR)	SCFM
36	0,25	2,50	0,36	22	0.77
58	0,40	4,00	0,43	26	0.92
91	0,63	6,30	0,50	30	1.05

GUIDE TO REFERENCES

L 1/4" O42 PE

Product

L = Lubricator

Connection

1/4" = G 1/4"

3/8" = G 3/8"

1/2" = G 1/2"

3/4" = G 3/4"

1" = G 1"

Line

O42

O50

O52

O75

O80

O95

Version

Standard

VL = Vacuum filling

IL = Min Level indicator

IM = Max/Min Level indicator (Line 095 only)

Bowl

TT = Transparent (Line 042 only)

TC = Short transparent (Line 042 only)

PE = With outer guard

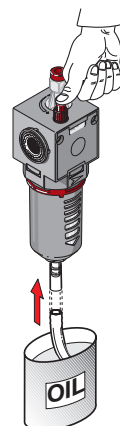
FUNCTIONING VL

The oil filling is achieved by pressing and holding the button at the base of the lubricator body.

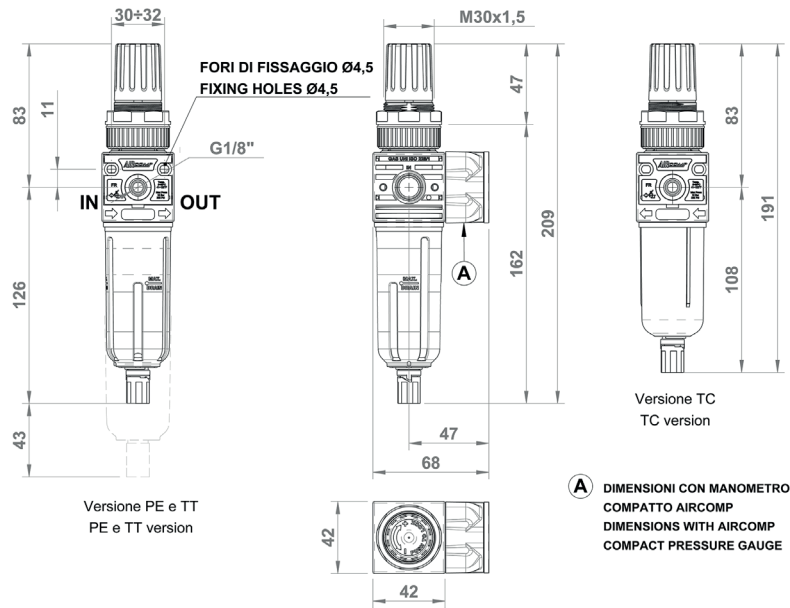
The "Venturi" system causes a vacuum inside the bowl and the related oil intake.

The oil filling is stopped only upon releasing the button. The oil level is visually checked during the filling.

Max. suction height : 1,5 m.



LINE 042 1/4" | FILTER REGULATORS



GENERAL FEATURES

High performance modular filter regulator ensuring big flow rate and low load loss.
Relieving for a quick exhaust of the downstream overpressure.
Knob with locking pressure device.
Equipped with semiautomatic drain as standard (SS).

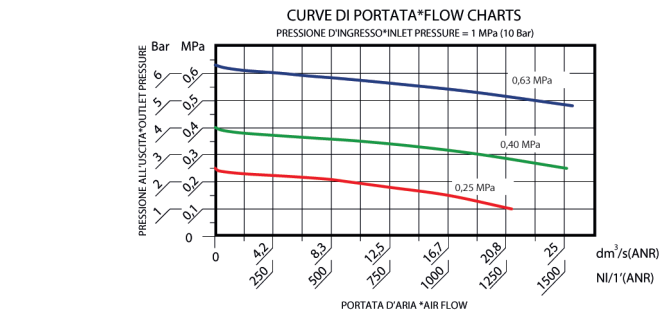
GENERAL TECHNICAL DATA

Pressure range	0-4; 0-8; 0-12 Bar
Maximum inlet pressure	16 Bar
Drain working pressure	mod. SS: 0,5 - 16 Bar mod. SA: 1,5 - 10 Bar mod. SAD: 2 - 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	1.200 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque G1/4" IN-OUT	25 Nm
Max torque gauge port	round: 1 Nm compact: manual
Bowl capacity	TT = 22cc; PE = 22cc; TC = 15cc
Weight	0,125 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
042.04.****	FR 1/4" 042 20 08 R TT SS
042.04.00052	FR 1/4" 042 20 12 R TT SS
042.04.00113	FR 1/4" 042 5 08 R TT SS
042.04.00114	FR 1/4" 042 5 12 R TT SS
042.04.00133	FR 1/4" 042 20 08 R TC SS (short bowl)
042.04.00230	FR 1/4" 042 5 08 R TC SS (short bowl)
042.04.00072	FR 1/4" 042 20 08 R PE SS
042.04.00127	FR 1/4" 042 20 12 R PE SS
042.04.00129	FR 1/4" 042 5 08 R PE SS
042.04.00130	FR 1/4" 042 5 12 R PE SS
Float type automatic drain version.	
042.04.00151	FR 1/4" 042 20 08 R TT SA
042.04.00154	FR 1/4" 042 5 08 R TT SA
042.04.00157	FR 1/4" 042 20 08 R PE SA
042.04.00160	FR 1/4" 042 5 08 R PE SA
"Differential" automatic drain version.	
042.04.00238	FR 1/4" 042 20 08 R TT SAD
042.04.00240	FR 1/4" 042 5 08 R TT SAD
042.04.00242	FR 1/4" 042 20 08 R PE SAD
042.04.00244	FR 1/4" 042 5 08 R PE SAD



GUIDE TO REFERENCES

FR 1/4" 042 20 08 R PE SS

Product

FR = Filter regulator

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

Filtering element

5 = 5 micron
20 = 20 micron

Condensate Drain

SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

Tazza

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

Version

R = Relieving

Range of pressure

04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar



WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?
Replace 0 with "M" the 6th digit of the part nr. for example:

042.04.M0072 FR 1/4" 042 20 08R PE SS + GAUGE

LINE 042 1/4" | 3-WAY VALVES WITH LOCK

AIR PREPARATION

VALVES

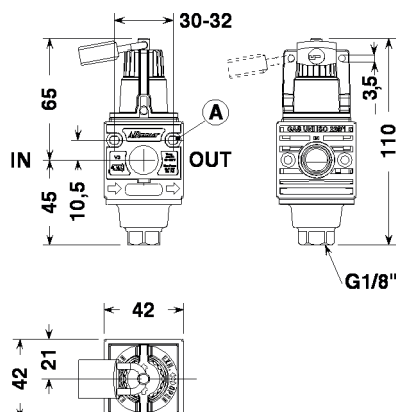
CYLINDERS

FITTINGS

WATER PREPARATION



**A FORI DI FISSAGGIO Ø4.5
FIXING HOLES Ø4.5**



GENERAL FEATURES

The job of the 3-way on-off valve is to shut off air supply and exhaust the pressure in the downstream circuit.

Application: it can be used singularly or, more commonly, assembled in battery set. It is actuated for carrying out maintenance operations with total safety, thus avoiding the system from being accidentally pressurized.

The valve is equipped with nr. 1 lock and nr. 2 keys.

GENERAL TECHNICAL DATA

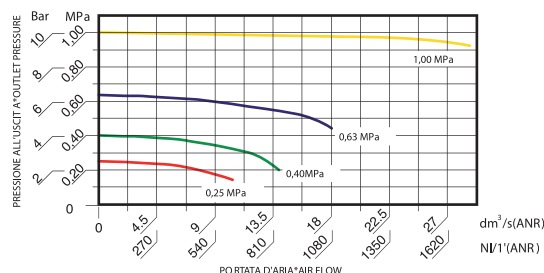
INLET-OUTLET connections	G1/4"
Exhaust connection	G1/8"
Maximum inlet pressure	16 Bar
Reference flow rate (P1= 10 bar ΔP= 1 bar)	1.570 NI/min
Exhaust flow rate (at 10 bar in open air)	1.000 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque G1/4" IN-OUT	25 Nm
Weight	0,155 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
042.25.00001	V 1/4" 042 V 3

CURVE DI PORTATA *FLOW CHARTS



GUIDE TO REFERENCES

V 1/4" 042 3V

Product

V = 3 way Valve

Functioning

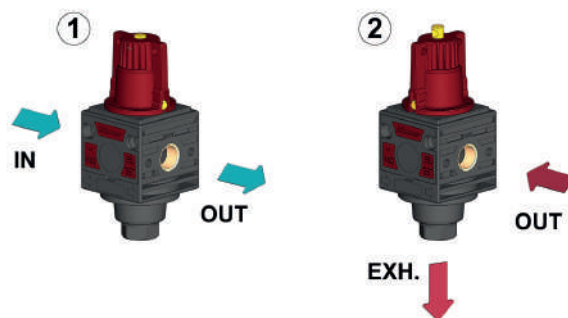
3V = 3 Way

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"

Line

042
050
052
075
080



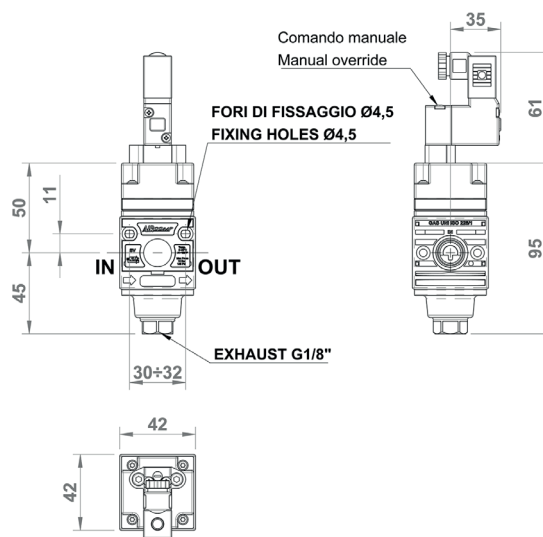
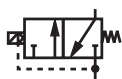
1. with OPEN VALVE

2. with CLOSED VALVE

IN and OUT are in communication for an open air flow

The inlet (IN) is closed while the outlet (OUT) is in communication with the exhaust.

LINE 042 1/4" | ELECTRICAL SHUT-OFF VALVES PILOT 15MM



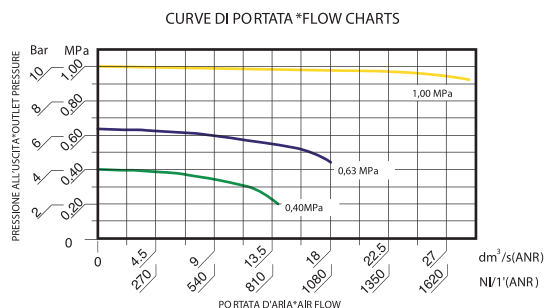
GENERAL FEATURES

The job of the shut-off valve is to close the air supply and exhaust the pressure in the downstream circuit.
The electrical model is often connected to ON-OFF switches or emergency mushrooms on the control console.
Application: it can be used singularly or, more commonly, assembled in battery set. It is actuated for carrying out maintenance operations or for depressurizing circuits in any emergency situation.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	G1/4"
Exhaust connection	G1/8"
Maximum inlet pressure	10 Bar
Minimum working pressure	3 Bar
Reference flow rate (P1= 10 bar ΔP= 1 bar)	1.570 NI/min
Exhaust flow rate (at 10 bar in open air)	1.000 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque G1/4" IN-OUT	25 Nm
Electric pilot	3/2 NC 15 mm (Microsol type)
Available voltage	24VDC (2,5W); 24VAC; 110VAC; 220VAC (3VA)
Weight	0,20 kg

Below 3°C the air of the circuit must be free from humidity



GUIDE TO REFERENCES

SV 1/4" 042 15MM 24VDC

Product
SV = Shut-off valve

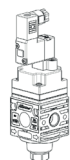
Connection
1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"

Line
042
050
052
075
080

Voltage
12 VDC
24 VDC
24 VAC
110 VAC
220 AC

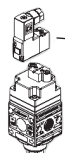
Version
15MM = Solenoid pilot 15 mm
CNOM = Electric control C-NOMO
PNEU = Pneumatic

ORDERING PART NR. COMPLETE UNIT

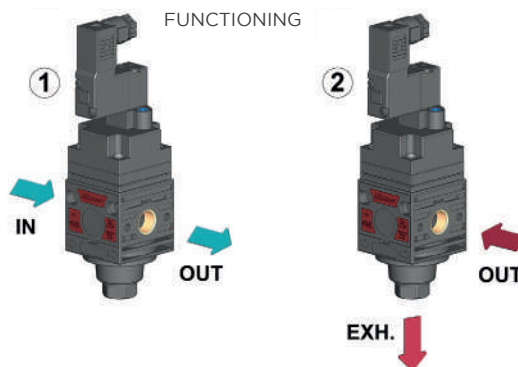


CODE	REF.
042.26.00102	SV 1/4 042 15MM 12V DC
042.26.00202	SV 1/4 042 15MM 24V DC
042.26.00602	SV 1/4 042 15MM 24V AC
042.26.00702	SV 1/4 042 15MM 110V AC
042.26.00802	SV 1/4 042 15MM 220V AC

ORDERING PART NR. SEPARATE COMPONENTS



CODE	REF.
C50.26.00002	KIT C. ELECTR. 3/2 NC 2,5W 24V DC
C50.26.00003	KIT C. ELECTR. 3/2 NC 3 VA 24V AC
C50.26.00004	KIT C. ELECTR. 3/2 NC 3 VA 110V AC
C50.26.00005	KIT C. ELECTR. 3/2 NC 3 VA 220V AC
042.26.00002	SV 1/4" 042 PRED. C. ELECTR. MICRO SOL/PNEUM



1. with actuated pilot, the SV is open (IN-OUT communication)

2. with non-actuated pilot, the SV is closed (IN closed / OUT exhausting)

LINE 042 1/4" | ELECTRICAL SHUT-OFF VALVES CNOMO

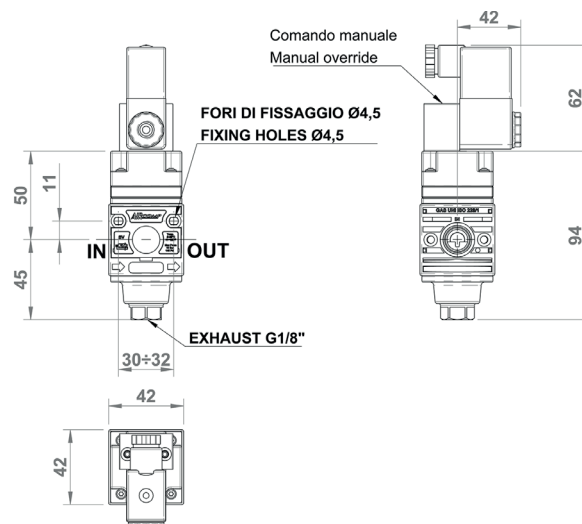
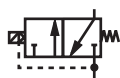
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



GENERAL FEATURES

The job of the shut-off valve is to close the air supply and exhaust the pressure in the downstream circuit.

The electrical model is often connected to ON-OFF switches or emergency mushrooms present on the control console.

Application: it can be used singularly, or more commonly, assembled in battery set. It is actuated for carrying out maintenance operations or for depressurizing the circuit.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	G1/4"
Exhaust connection	G1/8"
Maximum inlet pressure	10 Bar
Minimum working pressure	3 Bar
Reference flow rate (P1= 10 bar ΔP= 1 bar)	1.570 NI/min
Exhaust flow rate (at 10 bar in open air)	1.000 NI/min
Working temperature (a 10 bar)	-5 / +50°C
Max Torque G1/4" IN-OUT	25 Nm
Electric pilot	3/2 NC (tipo CNOMO) for coil 22mm
Available voltage	24VDC (3W); 24VAC; 110VAC; 220VAC (5VA)
Weight	0,28 kg

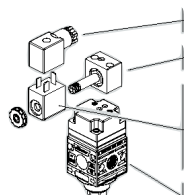
Below 3°C the air of the circuit must be free from humidity

ORDERING PART NR. COMPLETE UNIT

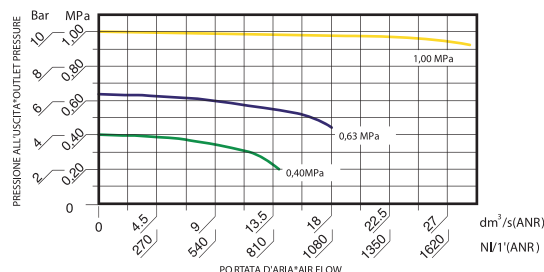
CODE	REF.
042.26.00101	SV 1/4 042 CNOM 12V DC
042.26.00201	SV 1/4 042 CNOM 24V DC
042.26.00601	SV 1/4 042 CNOM 24V AC
042.26.00701	SV 1/4 042 CNOM 110V AC
042.26.00801	SV 1/4 042 CNOM 220V AC

ORDERING PART NR. SEPARATE COMPONENTS

CODE	REF.
A50.26.00010	CONNETTORE
C40.26.00011	C. ELECTR. EV 3/2 NC CNOMO
A50.26.00006	SOL. 3W 24V DC
A50.26.00007	SOL. 5VA 24V AC
A50.26.00008	SOL. 5VA 110V AC
A50.26.00009	SOL. 5VA 220V AC
042.26.00001	SV 1/4" 042 PRED. C. ELECTR. CNOMO



CURVE DI PORTATA *FLOW CHARTS



GUIDE TO REFERENCES

SV 1/4" 042 15MM 24VDC

Product

SV = Shut-off valve

Connection

1/4" = G 1/4"

3/8" = G 3/8"

1/2" = G 1/2"

3/4" = G 3/4"

Line

042

050

052

075

080

Voltage

12 VDC

24 VDC

24 VAC

110 VAC

220 AC

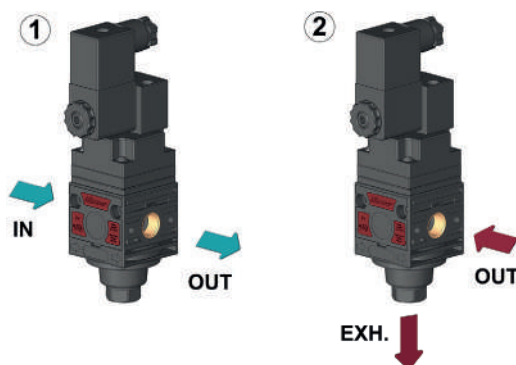
Version

15MM = Solenoid pilot 15 mm

CNOM = Electric control C-NOMO

PNEU = Pneumatic

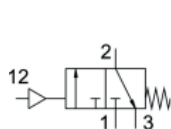
FUNCTIONING



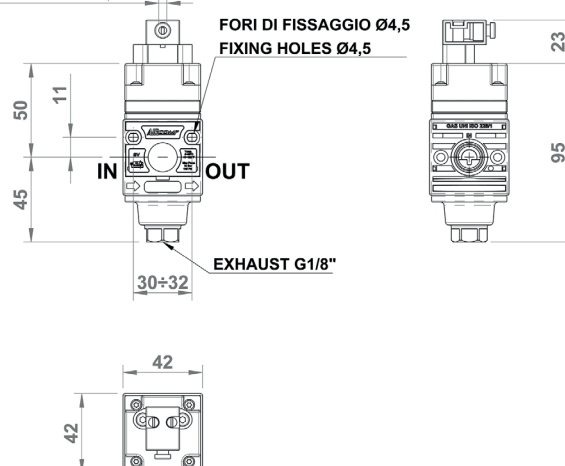
1. with actuated pilot, the SV is open (IN-OUT communication)

2. with piloting not under pressure, the SV is closed (IN closed / OUT exhausting)

LINE 042 1/4" | PNEUMATIC SHUT-OFF VALVES



Raccordo pneumatico Ø4
Pneumatic connection Ø4



GENERAL FEATURES

The job of the shut-off valve is to close the air supply and exhaust the pressure in the downstream circuit.

The pneumatic model is often connected to mushrooms actuators present on the control console.

Application: it can be used singularly or, more commonly, assembled in battery set. It is actuated for depressurizing the circuit.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	G1/4"
Exhaust connection	G1/8"
Maximum inlet pressure	10 Bar
Minimum working pressure	3 Bar
Reference flow rate (P1= 10 bar ΔP= 1 bar)	1.570 NI/min
Exhaust flow rate (at 10 bar in open air)	1.000 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque G1/4" IN-OUT	25 Nm
Pneumatic connection	push-in fitting D. 4mm
Weight	0,189 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING PART NR. COMPLETE UNIT



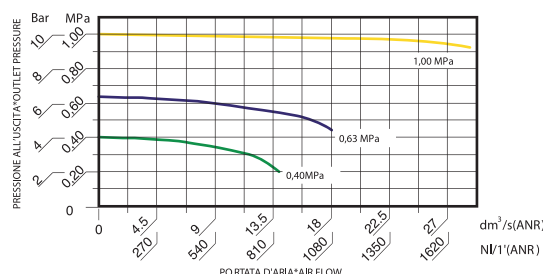
CODE	REF.
042.26.00902	SV 1/4 042 PNEUMATIC

ORDERING PART NR. SEPARATE COMPONENTS



CODE	REF.
C40.26.00014	PNEUMATIC CONTROL KIT
042.26.00002	SV VALVE BODY PRESET 15mm/PNEU

CURVE DI PORTATA *FLOW CHARTS



GUIDE TO REFERENCES

SV 1/4" 042 15MM 24VDC

Product
SV = Shut-off valve

Connection
1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"

Line

042
050
052
075
080

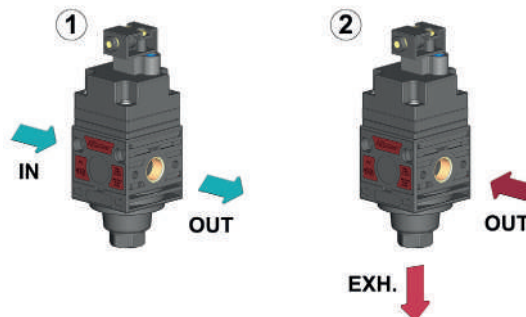
Voltage

12 VDC
24 VDC
24 VAC
110 VAC
220 AC

Version

15MM = Electric control 15 mm
CNOM = Electric control C-NOMO
PNEU = Pneumatic

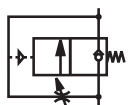
FUNCTIONING



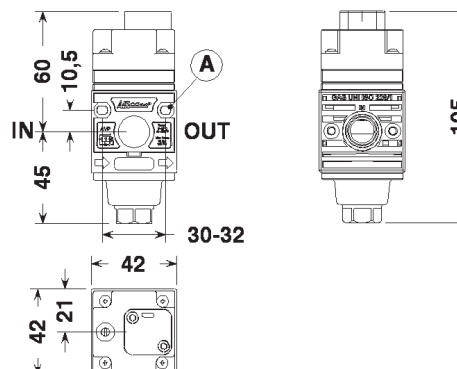
1. with piloting under pressure, the SV is open (IN-OUT communication)

2. with piloting not under pressure, the SV is closed (IN closed / OUT exhausting)

LINE 042 1/4" | SLOW-START VALVES



**A FORI DI FISSAGGIO Ø4.5
FIXING HOLES Ø4.5**



GENERAL FEATURES

The job of the slow-start valve is to gradually pressurize the pneumatic system upon switching it on.

The gradual pressurization takes place until about 60% of the supply pressure is reached.

The pressurization time can be adjusted through the speed controller positioned in the upper part of the body.

Application: it can be singularly used, or, more commonly, assembled with the shut-off valve. The AVP avoids any dangerous pressure surge, that may be caused by quickly supplying the system to the working pressure.

GENERAL TECHNICAL DATA

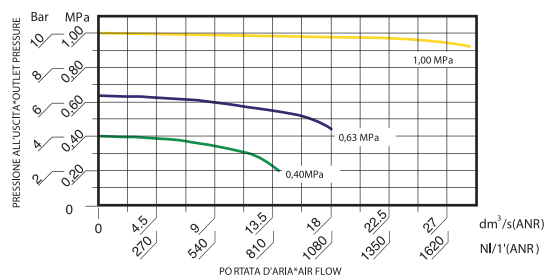
INLET-OUTLET connections	G1/4"
Maximum inlet pressure	10 Bar
Minimum working pressure	3 Bar
Reference flow rate (P1= 10 bar ΔP= 1 bar)	1.570 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque G1/4" IN-OUT	25 Nm
Weight	0,136 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
042.27.00001	AVP 1/4" 042 PN Autonom.

CURVE DI PORTATA *FLOW CHARTS



GUIDE TO REFERENCES

AVP 1/4" 042 PN

Product

AVP = Slow-start valve

Functioning

PN = Pneumatic

Connection

1/4" = G 1/4"

3/8" = G 3/8"

1/2" = G 1/2"

3/4" = G 3/4"

Line

042

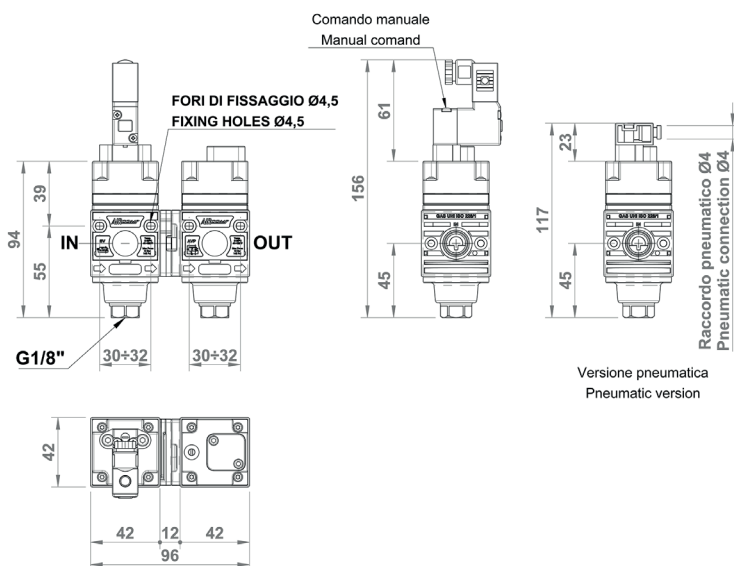
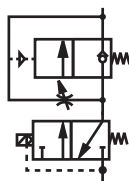
050

052

075

080

LINE 042 1/4" | SHUT-OFF/SLOW START COMBINATIONS



GENERAL FEATURES

SVAV is a set consisting of shut-off valve (SV) and slow-start valve (AVP), assembled and equipped with electric or pneumatic control.

This complete unit, combines the functions of exhausting the pneumatic circuit and cutting-off air supply (SV) with the progressive pressurization provided by the slow-start valve (AVP). The valves are available with electric control in different voltages or with pneumatic control.

The proposed set is ready to be subsequently assembled with other Aircomp modules, or singularly mounted.

For further information about SV and AVP, please refer to the respective datasheets.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	G1/4"
Exhaust connection	G1/8"
Maximum inlet pressure	10 Bar
Minimum working pressure	3 Bar
Reference flow rate (P1= 10 bar ΔP= 1 bar)	1.570 NI/min
Exhaust flow rate (at 10 bar in open air)	1.000 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque G1/4" IN-OUT	25 Nm
Electric pilot	3/2 NC 15 mm (Microsol type)
Available voltage	24VDC (2,5W); 24VAC; 110VAC; 220VAC (3VA)
Pneumatic connection	push-in fitting D. 4mm
SVAV E Weight	0,365 kg
SVAV P Weight	0,325 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING PART NR.ELECTRIC VERSION

CODE	REF.
042.28.00001	SVAV 1/4 042 E 24V DC
042.28.00002	SVAV 1/4 042 E 24V AC
042.28.00003	SVAV 1/4 042 E 110V AC
042.28.00004	SVAV 1/4 042 E 220V AC

ORDERING PART NR. PNEUMATIC VERSION

CODE	REF.
042.28.00005	SVAV 1/4 042 P Ø4

GUIDE TO REFERENCES

SVAV 1/4" 042 E 24VDC

Product

SVAV = SV+AVP

Connection

1/4" = G1/4"

Line

042

Special type

24VDC

24VAC

110VAC

220VAC

Version

E = Electric

P = Pneumatic

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

LINE 042 1/4" | FR+L UNITS

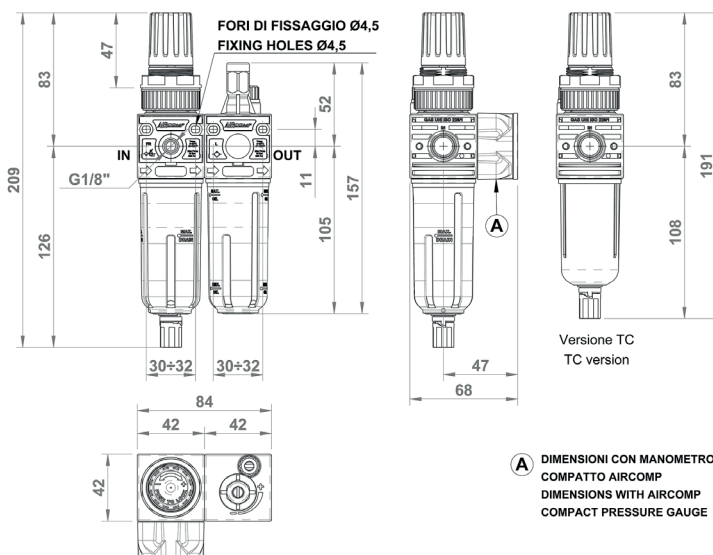
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



A DIMENSIONI CON MANOMETRO COMPATTO AIRCOMP
DIMENSIONS WITH AIRCOMP COMPACT PRESSURE GAUGE

GENERAL FEATURES

Unit consisting of Filter regulator and Lubricator.

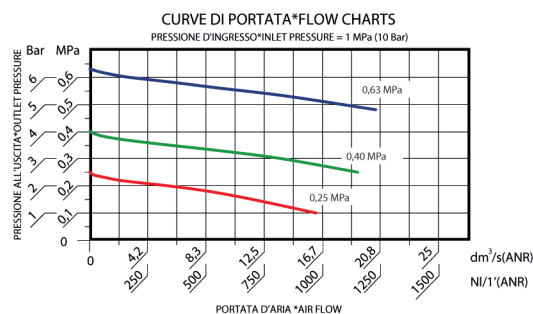
GENERAL TECHNICAL DATA

Pressure range	0-4; 0-8; 0-12 Bar
Maximum inlet pressure	16 Bar
Drain working pressure	mod. SS: 0,5 - 16 Bar mod. SA: 1,5 - 10 Bar mod. SAD: 2 - 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	980 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque G1/4" IN-OUT	25 Nm
Max torque gauge port	round: 1 Nm compact: manual
Weight	0,32 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
042.06.****	FR+L 1/4" 042 20 08 R TT SS
042.06.00052	FR+L 1/4" 042 20 12 R TT SS
042.06.00115	FR+L 1/4" 042 5 08 R TT SS
042.06.00116	FR+L 1/4" 042 5 12 R TT SS
042.06.00124	FR+L 1/4" 042 20 08 R TC SS
042.06.00132	FR+L 1/4" 042 20 12 R TC SS
042.06.00133	FR+L 1/4" 042 5 08 R TC SS
042.06.00134	FR+L 1/4" 042 5 12 R TC SS
042.06.00500	FR+L 1/4" 042 20 08 R TT SS VL
042.06.00504	FR+L 1/4" 042 20 12 R TT SS VL
042.06.00072	FR+L 1/4" 042 20 08 R PE SS
042.06.00126	FR+L 1/4" 042 20 12 R PE SS
042.06.00128	FR+L 1/4" 042 5 08 R PE SS
042.06.00129	FR+L 1/4" 042 5 12 R PE SS
042.06.00193	FR+L 1/4" 042 20 08 R PE SS VL
042.06.00194	FR+L 1/4" 042 20 12 R PE SS VL
Float type automatic drain version.	
042.06.00151	FR+L 1/4" 042 20 08 R TT SA
042.06.00153	FR+L 1/4" 042 20 12 R TT SA
042.06.00157	FR+L 1/4" 042 20 08 R PE SA
042.06.00159	FR+L 1/4" 042 20 12 R PE SA
"Differential" automatic drain version.	
042.06.00191	FR+L 1/4" 042 20 08 R TT SAD
042.06.00192	FR+L 1/4" 042 20 12 R TT SAD
042.06.00501	FR+L 1/4" 042 20 08 R PE SAD
042.06.00505	FR+L 1/4" 042 20 12 R PE SAD



GUIDE TO REFERENCES

FR+L 1/4" 042 20 08 R PE SS

Product

FR+L = Filter regulator + Lubricator

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

Filtering element

5 = 5 micron
20 = 20 micron

Condensate Drain

SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

Bowl

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

Version

R = Relieving

Range of pressure

04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar

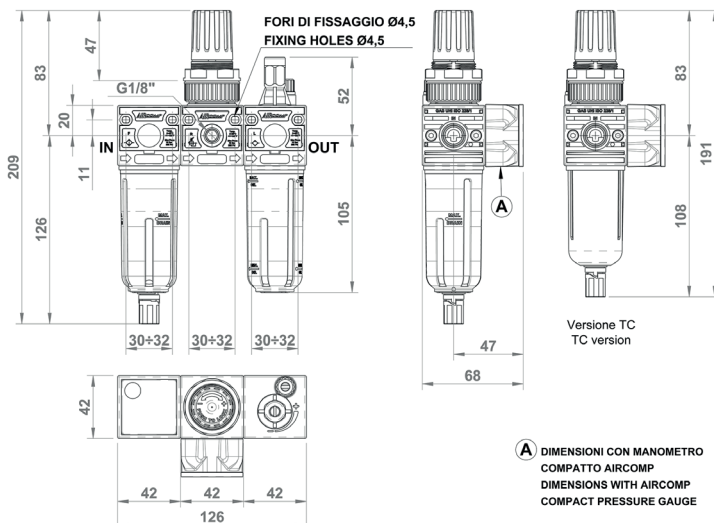
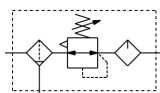


WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?

Replace 0 with "M" the the 6th digit of the part nr. for example:

042.06.M0072 FR+L 1/4" 042 20 08R PE SS + **GAUGE**

LINE 042 1/4" | F + R + L UNITS



GENERAL FEATURES

Unit consisting of Filter + Regulator + Lubricator.
It combines the functions of filtration, pressure regulation and lubrication of compressed air for industrial applications.
Set delivering big flow rate and regulation sensitivity, filtration with high condensate separation.
It is equipped with semiautomatic drain as standard (SS).

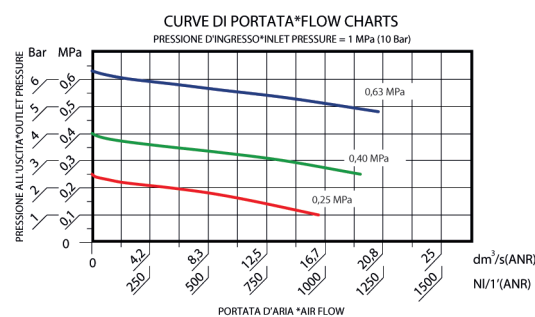
GENERAL TECHNICAL DATA

Pressure range	0-4; 0-8; 0-12 Bar
Maximum inlet pressure	16 Bar
Drain working pressure	mod. SS: 0,5 - 16 Bar mod. SA: 1,5 - 10 Bar mod. SAD: 2 - 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	980 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque G1/4" IN-OUT	25 Nm
Max torque gauge port	round: 1 Nm compact: manual
Weight	0,35 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
42.05.****	F+R+L 1/4" 042 20 08 R TT SS
042.05.00103	F+R+L 1/4" 042 20 12 R TT SS
042.05.00105	F+R+L 1/4" 042 5 08 R TT SS
042.05.00170	F+R+L 1/4" 042 20 08 R TC SS
042.05.00172	F+R+L 1/4" 042 5 08 R TC SS
042.05.00500	F+R+L 1/4" 042 20 08 R TT SS VL
042.05.00504	F+R+L 1/4" 042 20 12 R TT SS VL
042.05.00118	F+R+L 1/4" 042 20 08 R PE SS
042.05.00114	F+R+L 1/4" 042 20 12 R PE SS
042.05.00116	F+R+L 1/4" 042 5 08 R PE SS
042.05.00117	F+R+L 1/4" 042 5 12 R PE SS
042.05.00501	F+R+L 1/4" 042 20 08 R PE SS VL
Float type automatic drain version.	
042.05.00151	F+R+L 1/4" 042 20 08 R TT SA
042.05.00157	F+R+L 1/4" 042 20 08 R PE SA
"Differential" automatic drain version.	
042.05.00166	F+R+L 1/4" 042 20 08 R TT SAD
042.05.00168	F+R+L 1/4" 042 20 08 R PE SAD



GUIDE TO REFERENCES

F+R+L 1/4" 042 20 08 R PE SS

Product

F+R+L = Filter +
Regulator +
Lubricator

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

Filtering element

5 = 5 micron
20 = 20 micron

Condensate Drain

SS = Semiautomatic
(standard)
SA = Automatic float
type
SAD = Automatic
differential
S18 = Open seat 1/8 F

Tazza

TT = Transparent (Line
042 only)
TC = Short transparent
(Line 042 only)
PE = With outer guard

Version

R = Relieving

Range of pressure

04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar

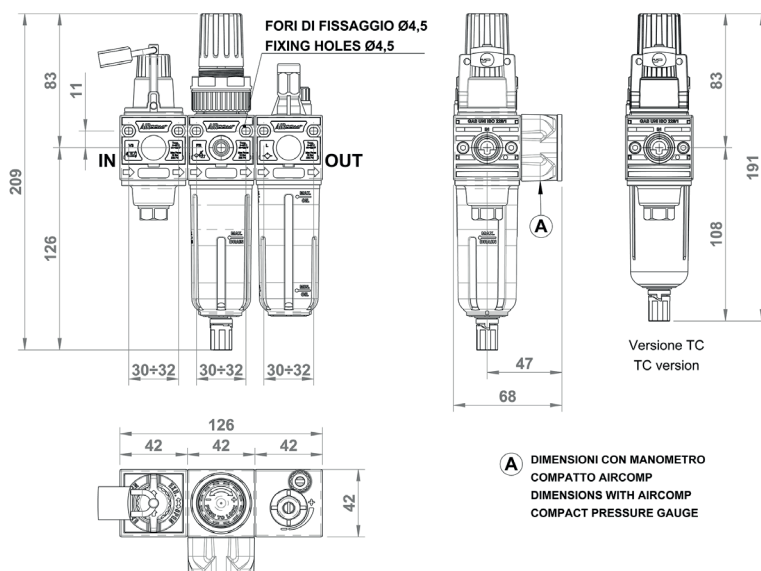
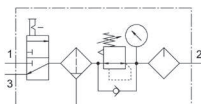


**WOULD YOU LIKE TO ORDER
THE REGULATOR COMPLETE WITH GAUGE?**

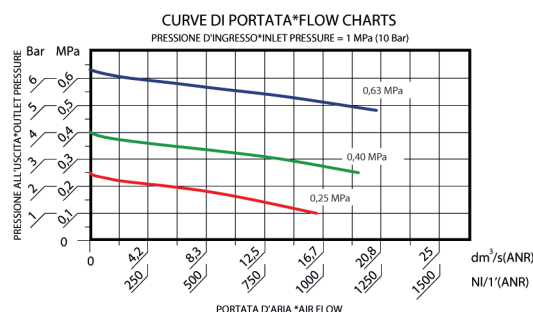
Replace 0 with "M" the the 6th digit of the part nr. for example:

042.05.M0118 F+R+L 1/4" 042 20 08R PE SS + **GAUGE**

LINE 042 1/4" | V3 + FR + L UNITS



A DIMENSIONI CON MANOMETRO COMPATTO AIRCOMP
DIMENSIONS WITH AIRCOMP COMPACT PRESSURE GAUGE



GENERAL FEATURES

Unit consisting of 3-way Valve (V3) + Filter regulator (FR) + Lubricator (L).
It combines the function of shutting-off the system along with the filtration, pressure regulation and lubrication of compressed air for industrial applications.
Lockable V3 valve for greater safety during maintenance operations.
It is equipped with semiautomatic drain as standard (SS).

GENERAL TECHNICAL DATA

Pressure range	0-4; 0-8; 0-12 Bar
Maximum inlet pressure	16 Bar
Drain working pressure	mod. SS: 0,5 - 16 Bar mod. SA: 1,5 - 10 Bar mod. SAD: 2 - 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	980 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque G1/4" IN-OUT	25 Nm
Max torque gauge port	round: 1 Nm compact: manual
Weight	0,464 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
042.36.****	V3+FR+L 1/4" 042 20 08 R TT SS
042.36.00115	V3+FR+L 1/4" 042 5 08 R TT SS
042.36.00130	V3+FR+L 1/4" 042 20 08 R TC SS
042.36.00132	V3+FR+L 1/4" 042 5 08 R TC SS
042.36.00500	V3+FR+L 1/4" 042 20 08 R TT SS VL
042.36.00072	V3+FR+L 1/4" 042 20 08 R PE SS
042.36.00126	V3+FR+L 1/4" 042 20 12 R PE SS
042.36.00128	V3+FR+L 1/4" 042 5 08 R PE SS
042.36.00501	V3+FR+L 1/4" 042 20 08 R PE SS VL
Float type automatic drain version.	
042.36.00151	V3+FR+L 1/4" 042 20 08 R TT SA
042.36.00153	V3+FR+L 1/4" 042 20 12 R TT SA
042.36.00157	V3+FR+L 1/4" 042 20 08 R PE SA
"Differential" automatic drain version.	
042.36.00191	V3+FR+L 1/4" 042 20 08 R TT SAD
042.36.00193	V3+FR+L 1/4" 042 20 08 R PE SAD

GUIDE TO REFERENCES

V3+FR+L 1/4" 042 20 08 R PE SS

Product

V3 + Filter regulator + Lubricator

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

Filtering element

5 = 5 micron
20 = 20 micron

Condensate Drain

SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

Tazza

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

Version

R = Relieving

Range of pressure

04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar

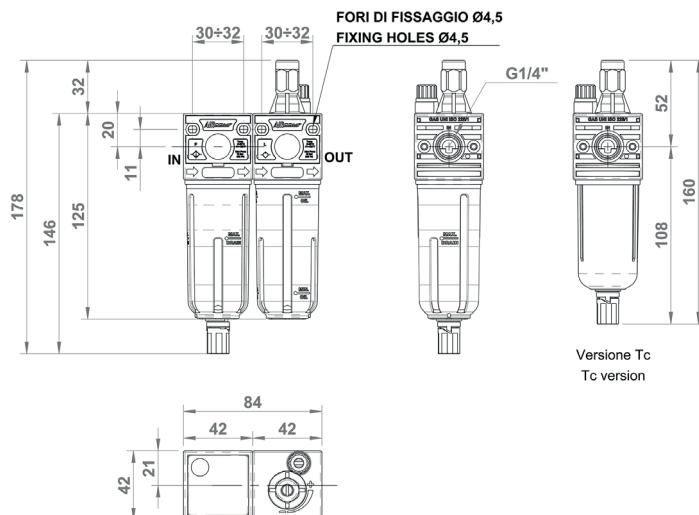
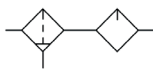


WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?

Replace 0 with "M" the 6th digit of the part nr. for example:

042.36.M0072 V3+FR+L 1/4" 042 20 08 R PE SS + GAUGE

LINE 042 1/4" | F + L UNITS



GENERAL FEATURES

Unit consisting of Filter and Lubricator.

It combines the functions of filtration and lubrication of compressed air for industrial applications.

Proportional oil mist lubricator ensuring a constant oil delivery over time.

Bowl made from hardened polyamide available in following configurations:

TT = transparent; PE = outer guard; TC= short transparent.

GENERAL TECHNICAL DATA

Maximum inlet pressure	16 Bar
Drain working pressure	mod. SS: 0,5 - 16 Bar mod. SA: 1,5 - 10 Bar mod. SAD: 2 - 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate (P1= 10 bar ΔP= 1 bar)	1.250 NI/min
Working temperature (a 10 bar)	-5 / +50°C
Max Torque G1/4" IN-OUT	25 Nm
Recommended oil viscosity	ISO VG32
Weight	0,207 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
042.07.*****	F+L 1/4" 042 20 TT SS
042.07.00132	F+L 1/4" 042 20 TC SS
042.07.00500	F+L 1/4" 042 20 TT SS VL
042.07.00072	F+L 1/4" 042 20 PE SS
Float type automatic drain version.	
042.07.00151	F+L 1/4" 042 20 TT SA
042.07.00153	F+L 1/4" 042 20 PE SA
"Differential" automatic drain version.	
042.07.00128	F+L 1/4" 042 20 TT SAD
042.07.00129	F+L 1/4" 042 5 TT SAD
042.07.00130	F+L 1/4" 042 20 PE SAD
042.07.00131	F+L 1/4" 042 5 PE SAD

GUIDE TO REFERENCES

F + L 1/4" 042 20 PE SS

Product

F+L = Filter + Lubricator

Connection

1/4" = G 1/4"

3/8" = G 3/8"

1/2" = G 1/2"

3/4" = G 3/4"

1" = G 1"

Line

042

050

052

075

080

095

Condensate Drain

SS = Semiautomatic (standard)

SA = Automatic float type

SAD = Automatic differential

S18 = Open seat 1/8 F

Bowl

TT = Transparent (Line 042 only)

TC = Short transparent (Line 042 only)

PE = With outer guard

Filtering element

5 = 5 micron

20 = 20 micron

AIR PREPARATION

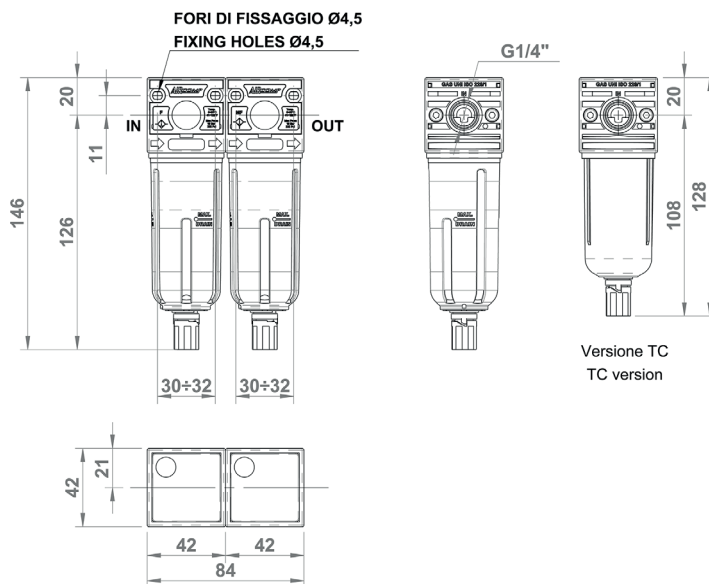
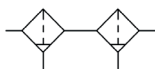
VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

LINE 042 1/4" | F + MF UNITS



GENERAL FEATURES

Filtration set combining Filter with high condensate separation and coalescing Microfilter.

The job of the Filter is filtering solid particles and condensate separation. The job of the coalescing Microfilter is to remove oil. It is equipped with semiautomatic drain as standard (SS).

Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to the outside even when the bowl is pressurized.

Bowl made from hardened polyamide available in following configurations:

TT = transparent; PE = outer guard; TC = short transparent.

GENERAL TECHNICAL DATA

Maximum inlet pressure	16 Bar
Drain working pressure	mod. SS: 0,5 - 16 Bar mod. SA: 1,5 - 10 Bar mod. SAD: 2 - 12 Bar
Filtering degree Filter	5 micron
Filtering degree Microfilter	0,01 micron
Recommended max flow rate (P1= 10 bar ΔP= 1 bar)	180 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Bowl capacity	TT = 22cc; PE = 22cc; TC = 15cc
Max Torque G1/4" IN-OUT	25 Nm
Weight	0,22 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
042.09.00001	F 1/4" 042 5 TT SS+MF 1/4" 0,01 TT SS
042.09.00003	F 1/4" 042 5 PE SS+MF 1/4" 0,01 PE SS
042.09.00005	F 1/4" 042 5 TC SS+MF 1/4" 0,01 TC SS
Float type automatic drain version.	
042.09.00002	F 1/4" 042 5 TT SS+MF 1/4" 0,01 TT SA
042.09.00004	F 1/4" 042 5 PE SS+MF 1/4" 0,01 PE SA
"Differential" automatic drain version.	
042.09.00008	F 1/4" 042 5 TT SS+MF 1/4" 0,01 TT SAD
042.09.00006	F 1/4" 042 5 PE SS+MF 1/4" 0,01 PE SAD

GUIDE TO REFERENCES

F 1/4" 042 5 PE SS +
MF 1/4" 042 0,01 TT SS

Product

F = Filter + Microfilter
MF = Microfilter
CF = Activated carbon

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"

Line

042
050
052
075
080

Condensate Drain

SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

Bowl

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

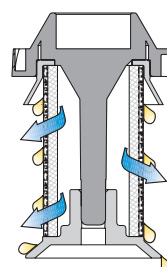
Filtering element

5 = 5 micron
20 = 20 micron
0,01 = 0,01 micron

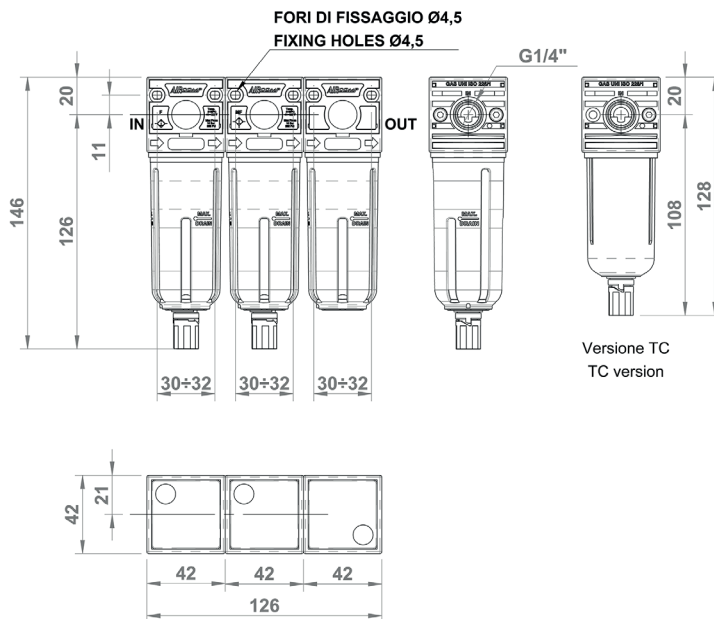
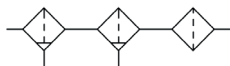
COALESCENT CARTRIDGE

FUNCTIONING

The air with impurity enter into the special high efficiency cartridge, which stops solid particles, captures and joins outside the oil particles (coalescing effect), so that they can easily fall to the bottom of the bowl and be drained outside. In doing so, the filtered air will be free from solid impurities and liquid particles.



LINE 042 1/4" | F + MF + CF UNITS



GENERAL FEATURES

Filtration set combining Filter with high condensate separation, coalescing Microfilter and activated carbon Filter.

The job of the unit is to filter solid particles and separate condensate with the Filter along with the coalescing function of the Microfilter, besides removing unpleasant smells in the air circuit aimed at the industrial sector by means of the activated carbon. It is equipped with semiautomatic drain as standard (SS).

Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to the outside even when the bowl is pressurized.

Bowl made from hardened polyamide available in following configurations:

TT = transparent; PE = outer guard; TC= short transparent.

GENERAL TECHNICAL DATA

Maximum inlet pressure	16 Bar
Drain working pressure	mod. SS: 0,5 - 16 Bar mod. SA: 1,5 - 10 Bar mod. SAD: 2 - 12 Bar
Filtering degree Filter	5 micron
Filtering degree Microfilter	0,01 micron
Activated carbon cartridge CF	
Recommended max flow rate (P1= 10 bar ΔP= 1 bar)	180 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Bowl capacity	TT = 22cc; PE = 22cc; TC = 15cc
Max Torque G1/4" IN-OUT	25 Nm
Weight	0,33 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
042.08.00001	F 5 TT SS+MF 0,01 TTSS+CF TT 1/4 042
042.08.00002	F 5 TT SS+MF 0,01 TTSA+CF TT 1/4 042
042.08.00003	F 5 TT SS+MF 0,01 PESS+CF PE 1/4 042
042.08.00004	F 5 TT SS+MF 0,01PESA+CF PE 1/4 042

GUIDE TO REFERENCES

F 1/4" 042 5 PE SS +
MF 1/4" 042 0,01 PE SS +
CF 1/4" 042 CA PE

Product

F = Filter + Microfilter
MF = Microfilter
CF = Activated carbon

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"

Line

042
050
052
075
080

Condensate Drain

SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

Bowl

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

Filtering element

5 = 5 micron
20 = 20 micron
0,01 = 0,01 micron
CA = Activated carbon

AIR PREPARATION

VALVES

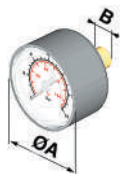
CYLINDERS

FITTINGS

WATER PREPARATION

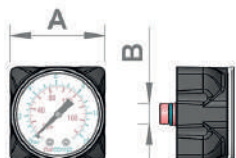
LINE 042 1/4" | ACCESSORIES

GAUGE



CODE	Bar	Psi	A	B	CH.
A38.00.00026	0-12	0-175	40	G1/8"	14
A38.00.00055	0-6	0-85	40	G1/8"	12
A38.00.00114	0-2,5	0-36	40	G1/8"	12

COMPACT GAUGE



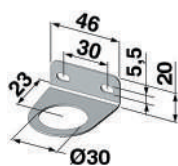
CODE	Bar	Psi	A	B
A42.01.00021	0-12	0-175	40	G1/8"

PLUG G1/8"



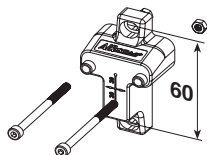
CODE	CONNECTION
B38.00.00018	G1/8"
A42.01.00010	G1/4" (air takeoff)

BRACKET



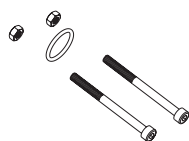
CODE	PRODUCT
C38.00.00069	MR-R-FR

"T" BRACKET KIT



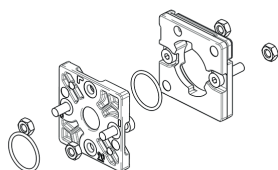
CODE	PRODUCT
C42.05.00001	ALL

KIT ASSEMBLING UNITS



CODE	PRODUCT
C40.06.00001	FR+L
	F+MF+CF

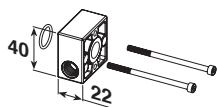
SLIM KIT FOR BATTERY ASSEMBLING



CODE	PRODUCT
C42.06.00007	ALL

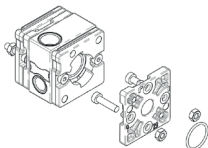
LINE 042 1/4" | ACCESSORIES

AIR TAKE-OFF FOR UNITS



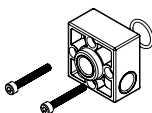
CODE	CONNECTION	PRODUCT
C40.05.00108	1/4"	F+R+L - FR+L
		V3+FR+L - F+L - F+MF
C40.05.00103	2 WAYS (1/4"-1/8")	F+R+L - FR+L
		V3+FR+L - F+L - F+MF

BATTERY AIR TAKE-OFF



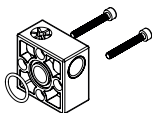
CODE	CONNECTION	PRODUCT
C42.05.00018	1/4 - 1/8	ALL

INLET AIR TAKE-OFF



CODE	CONNECTION	PRODUCT
C42.06.00002	G1/4"- G1/4"	ALL

OUTLET AIR TAKE-OFF



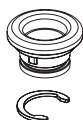
CODE	CONNECTION	PRODUCT
C42.06.00003	G1/4"- G1/4"	ALL

AUTOMATIC DRAIN



CODE	PROD.
C40.02.00130 SA	F - FR - MF
C42.02.00012 SAD	F - FR - MF

MOUNTING KIT FOR AUTOMATIC DRAIN



CODE	PROD.
C40.02.00131	SA - SAD

PRESSURE SWITCH



CODE	REF.
A50.06.00005	AP1 - 3-02-03-G

For further information about pressure switch or air take-off with pressure switch, please see page. 1.138

AIR PREPARATION

VALVES

CYLINDERS

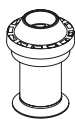
FITTINGS

WATER PREPARATION

LINE 042 1/4" | SPARE PARTS

AIR PREPARATION

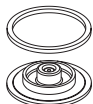
FILTERING ELEMENT



CODE	PRODUCT	VERSION
C40.02.00101	F	20 MICRON
C42.04.00001	FR	20 MICRON
C40.02.00106	F	5 MICRON
C42.04.00005	FR	5 MICRON
C40.02.00053	MF	0,01 MICRON
A42.02.00009	CF	CARBON

VALVES

DIAPHRAGM KIT



CODE	PRODUCT	VERSION
C39.00.00074	R - FR	RELIEVING
C39.00.00075	R - FR	NON RELIEVING
C39.00.00076	R - FR	FA-RM

CYLINDERS

REGULATION SPRING



CODE	PRODUCT	RANGE OF PRESSURE
A38.00.00131	F - FR - MF	0-4 Bar
A38.00.00130	F - FR - MF	0-8 Bar
A38.00.00129	F - FR - MF	0-10 Bar
A38.00.00128	F - FR - MF	0-12 Bar

FITTINGS

BOWL FOR FILTER



CODE	PRODUCT	VERSION
C40.02.00062	F - FR - MF	TT SS
C40.02.00108	F - FR - MF	PE SS
C40.02.00036	F - FR - MF	TC SS

WATER PREPARATION

BOWL WITH AUTOMATIC DRAIN



CODE	PRODUCT	VERSION
C40.02.00133	F - FR - MF	TT SA
C40.02.00134	F - FR - MF	PE SA
C42.02.00017	F - FR - MF	TC SAD
C42.02.00014	F - FR - MF	PE SAD

BOWL FOR LUBRICATOR



CODE	PRODUCT	VERSION
C40.03.00082	L	TT
C40.03.00084	L	PE
C40.03.01016	VL	TT
C40.03.01017	VL	PE
C40.03.00047	L	TC

OIL WINDOW



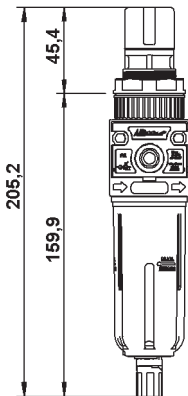
CODE	PRODUCT
C42.03.00005	L

OIL PLUG WITH OR 2031

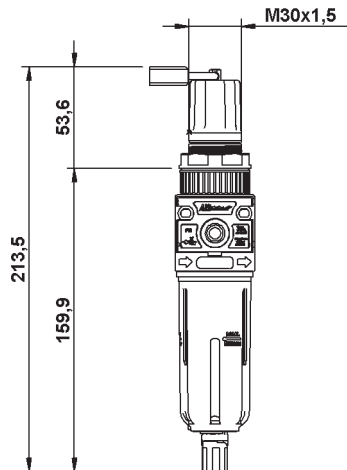


CODE	PRODUCT
C75.03.00073	L

LINE 042 1/4" | SPECIAL VERSIONS



Temper proof version



Lockable Version

PRESET FR

- * Regulators and Filter regulator Line 042 can be supplied fixed preset at the pressure value required by the customer.
- * This version allows purchasing a regulator featuring an outlet pressure preset at a fixed value, equipped with a tamper-proof knob rather than the normal regulation knob.
- * The preset pressure value cannot be changed. In order to modify the outlet pressure value, it is necessary to break the tamper-proof knob.
- * For further information concerning the tolerances on the outlet pressure, please contact our Sales Dept.

GUIDE TO REFERENCES

FR 1/4" 042 T 10 R PE SS

Product

- R = Regulation
- FR = Filter Regulator

Special type

- 1/4" = G1/4"

Line

- 042

Version

- R = Relieving (for air)
- A = Non relieving (for water)

Taratura

- 10 = 10 bar

Special type

- T = Pre-set version

LOCKABLE FR

- * Regulator and Filter regulator Line 042 are available in the version with lock.
- * This regulator version allows adjusting the required pressure and fix it, preventing accidental setting changes.
- * The regulator is equipped with padlock and two keys.
- * For further technical features, please refer to the respective Line or contact our offices.

GUIDE TO REFERENCES

FR 1/4" 042 08 R PE SS LK

Product

- R = Regulation
- FR = Filter Regulator

Special type

- 1/4" = G1/4"

Line

- 042

Drain

- LK = With lock

Version

- R = Relieving (for air)
- A = Non relieving (for water)

Pressure range

- 02 = 0-2 Bar
- 04 = 0-4 Bar
- 08 = 0-8 Bar
- 12 = 0-12 Bar

LINE 050-3/8 052-1/2 | MODULAR UNITS

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



GENERAL FEATURES

Modular units size 50 mm are available with two different connections:

Line 050 - 3/8" and 052 1/2"

This Line consists of traditional units and complementary modules for enabling the configuration of battery sets integrated with several functions.

The complementary modules are:

V3 manual shut-off valve, lockable

SV electric or pneumatic shut-off valve

AVP slow-start valve

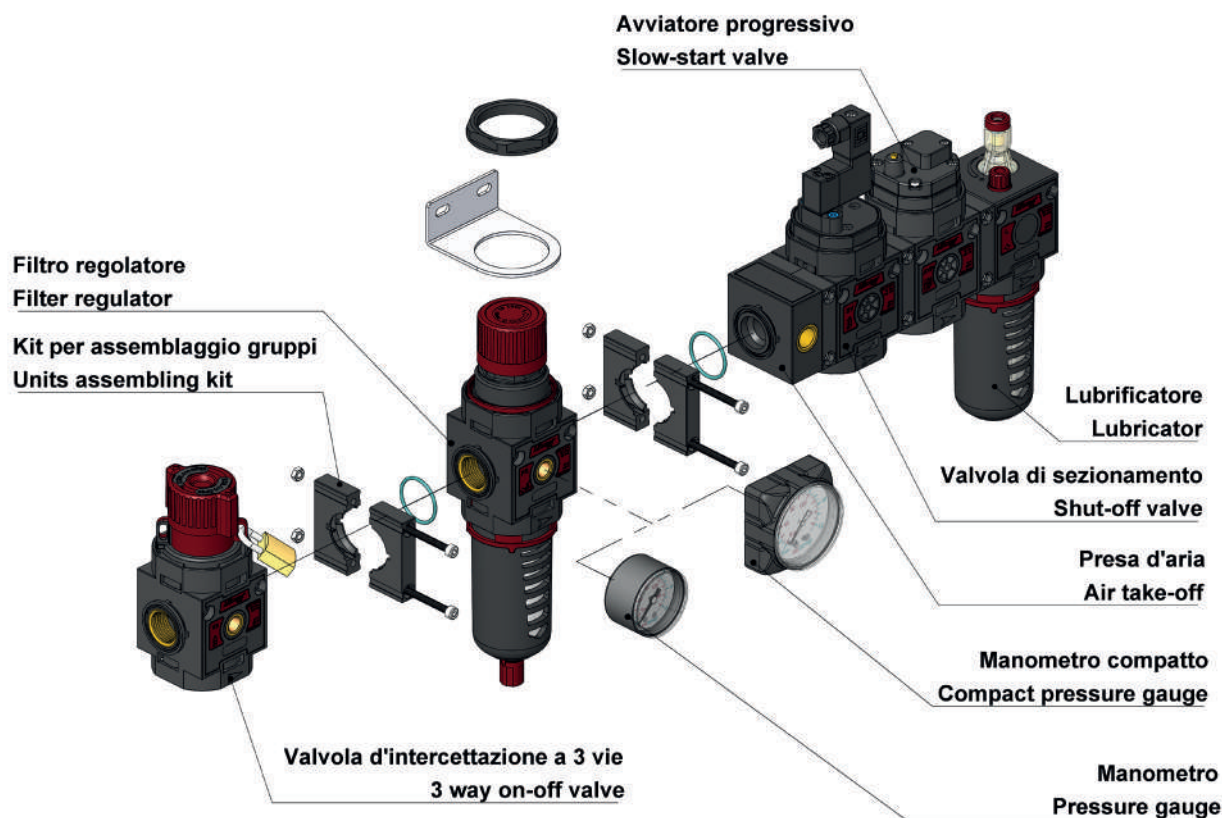
MF coalescing microfilter 0,01 micron

CF activated carbon filter

PA additional air inlet: intermediate, inlet; outlet

GENERAL TECHNICAL DATA

Fluid	compressed air
Working temperature (a 10 bar):	-5 / +50°C
Connections IN-OUT	G3/8" e G1/2"
Assembling type	Assembling kit
Mounting position	see singol components
Wall fixing	through holes on the body or brackets
Version with lock	standard on V3
Preset tamper-proof version	R and FR upon request



LINE 050-3/8 052-1/2 | MODULAR UNITS

CONDENSATE DRAIN

The condensate building up within the pneumatic systems is often causing malfunctioning and expensive extraordinary maintenance. Therefore, it is of utmost importance providing a good separation operated by the filter and an effective drainage to the outside, in order to avoid an excessive piling up. Aircomp offers the opportunity to equip the filters with different types of condensate drain according to the system requirements.

SEMI-AUTOMATIC DRAIN (SS)



Semiautomatic drain is supplied as standard on all Aircomp Lines.

The standard drain closes when the bowl is pressurized (min. $P = 0,5$ bar) and opens discharging the condensate whenever the unit is depressurized.

The drain can be manually set to always "closed" modality (closed both when the bowl is pressurized and depressurized).

FLOAT TYPE AUTOMATIC DRAIN (SA)



Float type automatic drain opens even when the bowl is pressurized upon reaching a set condensate level. The excess condensate is discharged to the outside and can be conveyed connecting a drainage hose to the duct.

DIFFERENTIAL AUTOMATIC DRAIN (SAD)



Differential automatic drain opens even when the bowl is pressurized but only when there is air consumption (min. $\Delta P = 0,2$ bar) and upon reaching a set condensate level. The excess condensate is discharged to the outside. It is possible to connect a drainage hose to the duct.

OPEN 1/8 CONNECTION (S18)



The seat with female thread 1/8", available upon request, allows the connection to alternative remote open/close systems, such as exhaust solenoid valves. It is available also with locking pin with "manual drain" function.

UNITS WITH COMPACT GAUGE

Units can be requested complete with gauge.

In this case, they are equipped with our compact gauge offering following advantages:

Visibility: The wide display ensures a better visibility.

Compactness: Designed for having reduced dimensions, the Compact Gauge restrains the risk of breaking.

Easiness: Simple mounting without tools. Tightness is guaranteed by an O-Ring, no teflon or sealant are required.

Versatility: The new Compact Gauge can be re-used on other Aircomp units. In case of need, it can be replaced with other commercial gauges.



LINE 050-3/8 052-1/2 | MODULAR UNITS

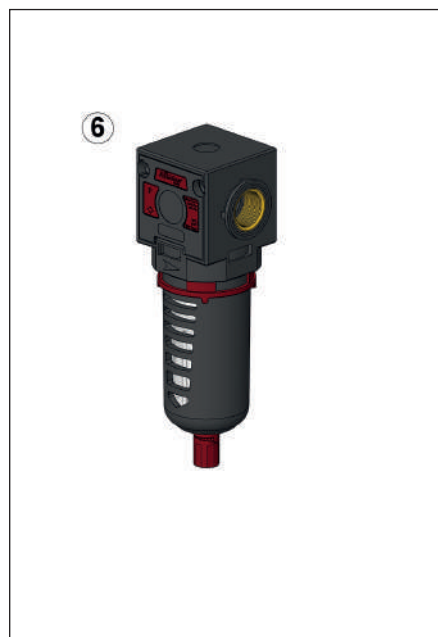
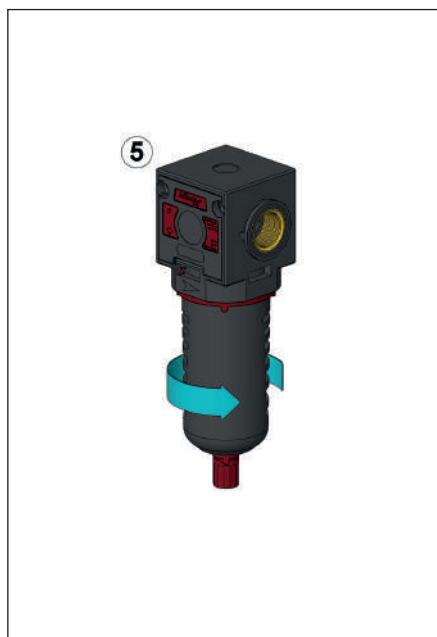
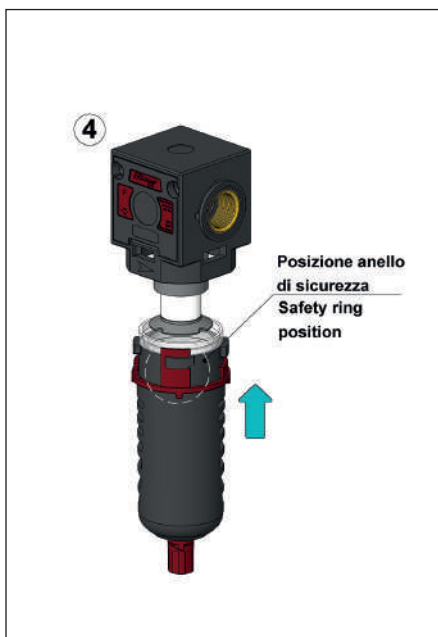
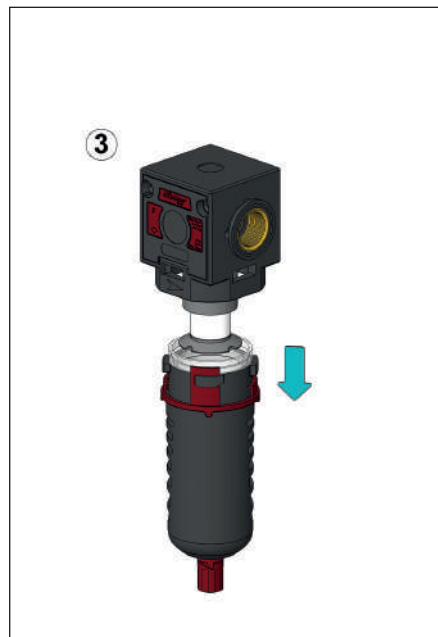
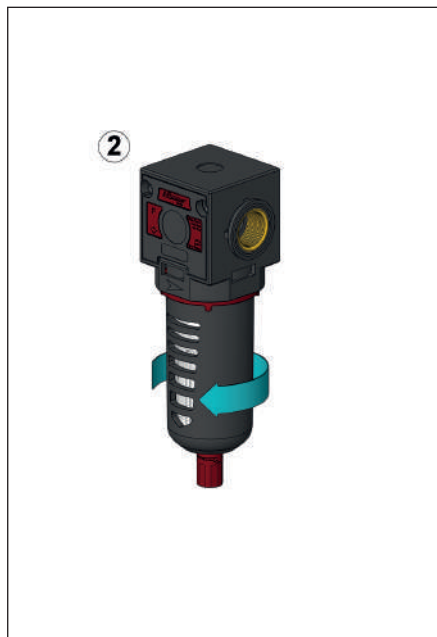
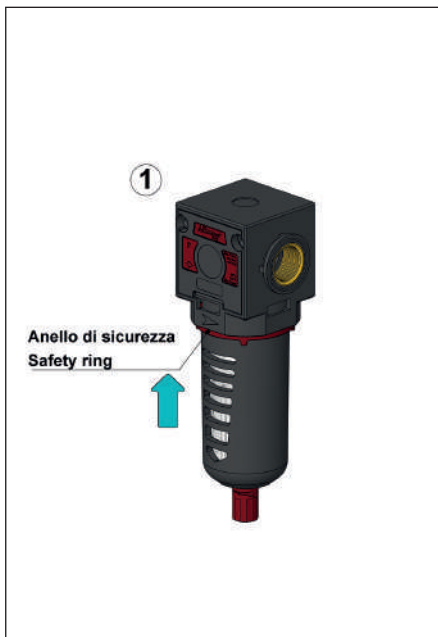
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



BOWL SAFETY RING

Bowls of Line 050, 052, 075, 080 and 095 are designed for a clip-on mounting, which enables the quick assembling and disassembling. All the bowl are equipped with a particular safety ring in order to prevent the accidental disassembly when the unit is pressurized.

For disassembling the bowl, it is actually necessary carrying out three movements in a sequence:

1. Lifting the safety ring Pic. 1
2. Turning the bowl clockwise Pic. 2
3. Lowering the bowl Pic. 3

It is not possible to disassemble the bowl when the safety ring is lowered.

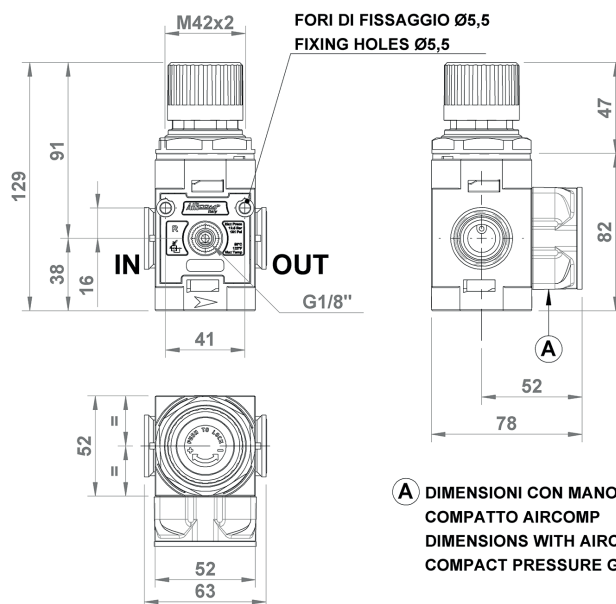
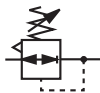
Movements 1. and 2., to be executed in a sequence, increase the operator's attention on the intervention he is carrying out.



Attention: the disassembling of the bowl must always be executed when the unit is depressurized.

1. The bowl reassembling can be easily executed following these steps:
2. Check that the safety ring is in its correct position (on the clamping tooth) as in Pic. 4
3. Fit the bowl into the body seat and lock it turning anticlockwise Pic. 5
4. Make sure that the safety ring is brought back to the correct position Pic. 6

LINE 050 3/8-052 1/2 | MODULAR REGULATORS



A DIMENSIONI CON MANOMETRO COMPATTO AIRCOMP
DIMENSIONS WITH AIRCOMP COMPACT PRESSURE GAUGE

GENERAL FEATURES

Modular regulator with balanced valve which ensures big flow rate and low load loss.

Relieving for a quick exhaust of the downstream overpressure.

Knob with pressure locking device.

Equipped with nut and nr. plug.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	Line 050 3/8" - Line 052 1/2"
Pressure range	0-4; 0-8; 0-12 Bar
Working pressure	0,5 - 12,5 Bar
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	2.100 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Max torque gauge port	round: 10 Nm compact: manual
Weight	0,325 kg

Below 3°C the air of the circuit must be free from humidity

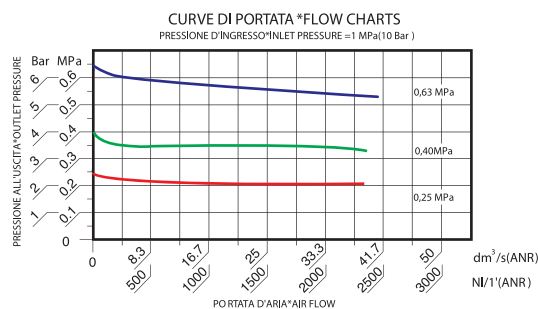
ORDERING CODE

LINE 050-3/8

CODE	REF.
050.11.00004	R 3/8" 050 04 R
050.11.*****	R 3/8" 050 08 R
050.11.00001	R 3/8" 050 12 R

LINE 052-1/2

CODE	REF.
052.11.00004	R 1/2" 052 04 R
052.11.*****	R 1/2" 052 08 R
052.11.00001	R 1/2" 052 12 R



GUIDE TO REFERENCES

R 1/4" 042 08 R

Product R = Regulator	Special type LK = Lockable
Connection 1/4" = G 1/4" 3/8" = G 3/8" 1/2" = G 1/2" 3/4" = G 3/4" 1" = G 1"	Version = Standard B = For battery
Line 042 050 052 075 080 095	Version R = Relieving
	Range of pressure 04 = 0 - 4 Bar 08 = 0 - 8 Bar 12 = 0 - 12 Bar

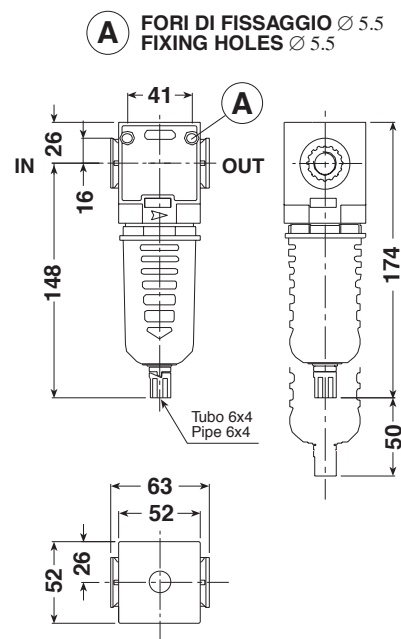


WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?

Replace 0 with "M" the 6th digit of the part nr. for example:

050.11.**M**0004 R 3/8" 050 04R + **GAUGE**

LINE 050 3/8-052 1/2 | MODULAR FILTERS



GENERAL FEATURES

Modular filter delivering high degree of condensate separation and low load loss.

It can be wall mounted through the holes prearranged on the body. Equipped with semiautomatic condensate drain as standard (SS).

Available options: float type automatic drain (SA) and differential (SAD), which can convey condensate to the outside even when the bowl is pressurized.

Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	Line 050 3/8" - Line 052 1/2"
Working pressure	0,5 - 12,5 Bar
Drain working pressure	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate (P1= 10 bar ΔP= 1 bar)	2.500 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Bowl capacity	42 cc
Max Torque IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Weight	0,225 kg

Below 3°C the air of the circuit must be free from humidity

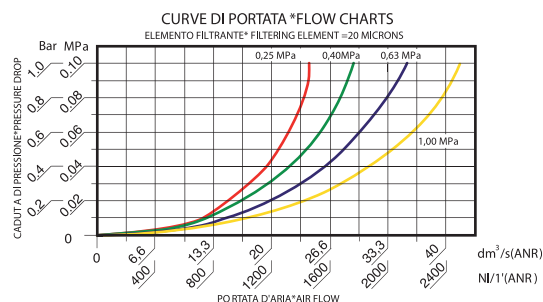
ORDERING CODE

LINE 050-3/8

CODE	REF.
050.12.00025	F 3/8" 050 20 PE SS
050.12.00028	F 3/8" 050 5 PE SS
Float type automatic drain version.	
050.12.00053	F 3/8" 050 20 PE SA
050.12.00054	F 3/8" 050 5 PE SA
"Differential" automatic drain version.	
050.12.00070	F 3/8" 050 20 PE SAD
050.12.00071	F 3/8" 050 5 PE SAD

LINE 052-1/2

CODE	REF.
052.12.00025	F 1/2" 052 20 PE SS
052.12.00028	F 1/2" 052 5 PE SS
Float type automatic drain version.	
052.12.00053	F 1/2" 052 20 PE SA
052.12.00054	F 1/2" 052 5 PE SA
"Differential" automatic drain version.	
052.12.00061	F 1/2" 052 20 PE SAD
052.12.00062	F 1/2" 052 5 PE SAD



GUIDE TO REFERENCES

F 1/4" 042 20 PE SS

Product

F = Filter
MF = Microfilter
CF = Activated carbon

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

Condensate Drain

SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

Bowl

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

Filtering element

5 = 5 micron
20 = 20 micron
0,01 = 0,01 micron
CA = Activated carbon

LINE 050 3/8-052 1/2 | COALESCING MICROFILTERS (OIL REMOVER)



GENERAL FEATURES

Modular filter with coalescing cartridge made from glass borosilicate fiber providing high filtering efficiency (99,97% on 0,01 micron particles).

It is recommended to install a 5 micron filter upstream in order to allow a longer life of the coalescing cartridge.

Application: it is suitable for removing oil remnants in pneumatic circuits.

It can be wall mounted through the holes prearranged on the body.

Equipped with semiautomatic condensate drain as standard (SS).

Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	Line 050 3/8" - Line 052 1/2"
Working pressure	0,5 - 12,5 Bar
Filtering degree	0,01 micron
Recommended max flow rate (6,3 bar)	500 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Weight	0,221 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

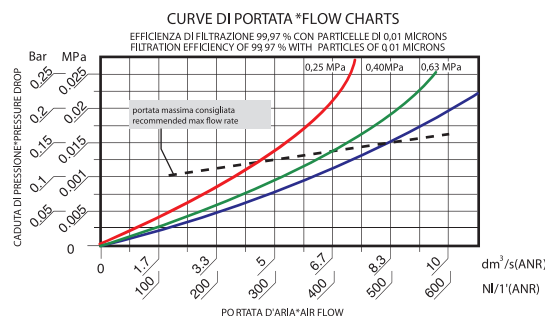
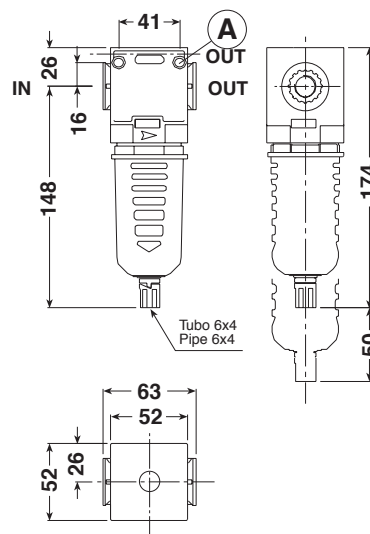
LINE 050-3/8

CODE	REF.
050.12.00010	MF 3/8" 050 0,01 PE SS
Float type automatic drain version.	
050.12.00060	MF 3/8" 050 0,01 PE SA
"Differential" automatic drain version.	
050.12.00072	MF 3/8" 050 0,01 PE SAD

LINE 052-1/2

CODE	REF.
052.12.00010	MF 1/2" 052 0,01 PE SS
Float type automatic drain version.	
052.12.00060	MF 1/2" 052 0,01 PE SA
"Differential" automatic drain version.	
052.12.00063	MF 1/2" 052 0,01 PE SAD

A FORI DI FISSAGGIO Ø 5.5
FIXING HOLES Ø 5.5



GUIDE TO REFERENCES

F 1/4" 042 20 PE SS

Product

F = Filter
MF = Microfilter
CF = Activated carbon

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

Condensate Drain

SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

Bowl

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

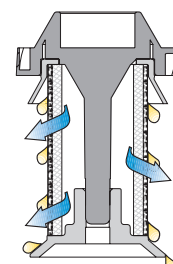
Filtering element

5 = 5 micron
20 = 20 micron
0,01 = 0,01 micron
CA = Activated carbon

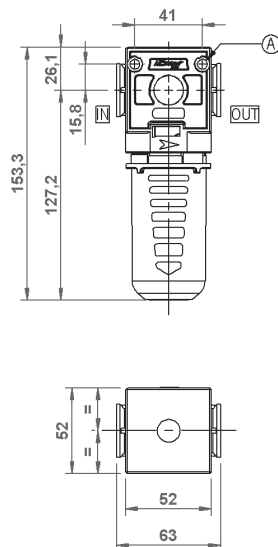
COALESCENT CARTRIDGE

FUNCTIONING

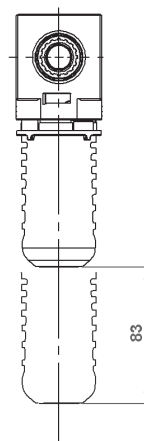
The air with impurity enter into the special cartridge with high efficiency, that stop solid particles, capture and join outside particles of oil and condensate (coalescent effect). In this way, they easily fall down at the bottom of the bowl, where condensate is discharged. Filtered air obtained is without solid and liquid parts.



LINE 050 3/8-052 1/2 | CARBON FILTERS



① FORI DI FISSAGGIO Ø5,5
FIXING HOLES Ø5,5



GENERAL FEATURES

Aircomp activated carbon filter exploits the absorption properties of activated carbon in order to increase air purity and eliminate unpleasant smell in the air aimed at the industrial sector. The activated carbon filter, in order to guarantee its performance, needs to be associated with a coalescing filter, that should be preceded by a 5 Micron filter (F+MF+CF). It can be wall mounted through the holes prearranged on the body. Closed bowl (without drain) made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

Fluid	compressed air
INLET-OUTLET connections	Line 050 3/8" - Line 052 1/2"
Maximum inlet pressure	12,5 Bar
Filtering cartridge	activated carbon
Life of cartridge	Replacement against pressure drop higher than 0,75 bar. Anyhow, do not exceed 2,000 working hours. Saturation of activated carbon may not cause pressure drop.
Reference flow rate	see the flow chart
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Weight	0,230 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

LINE 050-3/8

CODE REF.

050.12.00.300 CF 050 3/8 CA PE

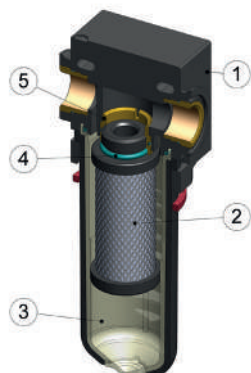
LINE 050-1/2

CODE REF.

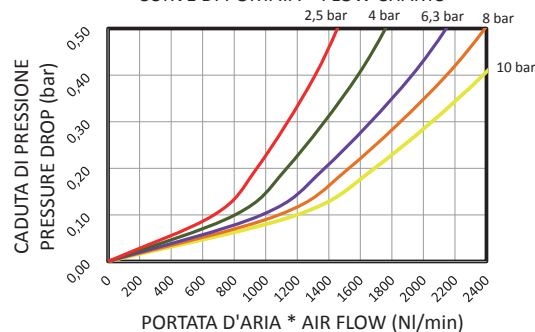
052.12.00.300 CF 052 1/2 CA PE

USED MATERIALS

1. **Body** - PA + BRASS
2. **Carbon filter cartridge**
3. **Bowl** - Toughened PA
4. **O-ring** - NBR
5. **Brass insert**



CURVE DI PORTATA * FLOW CHARTS



GUIDE TO REFERENCES

F 1/4" 042 20 PE SS

Product

F = Filter
MF = Microfilter
CF = Activated carbon

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

Condensate Drain

SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

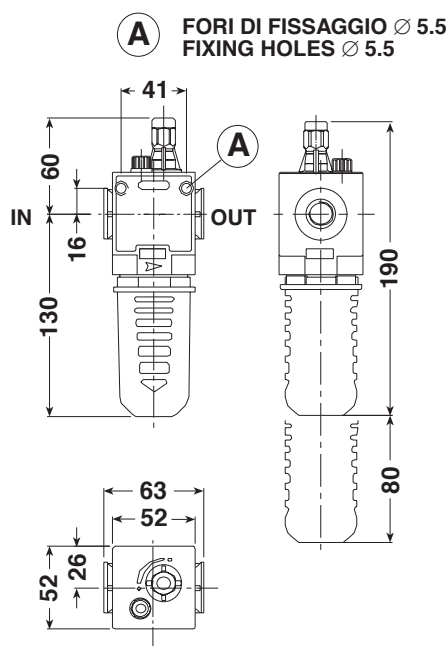
Bowl

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

Filtering element

5 = 5 micron
20 = 20 micron
0,01 = 0,01 micron
CA = Activated carbon

LINE 050 3/8-052 1/2 | LUBRICATORS



GENERAL FEATURES

Proportional oil mist lubricator allowing a constant oil delivery over time.

Oil suction even under low flow rate with high sensitivity in the lubricant adjustment.

Oil filling plug.

It can be wall mounted through the holes prearranged on the body.

Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	Line 050 3/8" - Line 052 1/2"
Maximum inlet pressure	12,5 Bar
Bowl capacity	68 cc
Recommended oil viscosity	ISO VG32
Reference flow rate (P1= 10 bar ΔP= 1 bar)	2.060 NI/min
Working temperature (a 10 bar)	-5 / +50°C C*
Max Torque IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Weight	0,230 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

LINE 050-3/8

CODE	REF.
050.13.00025	L 3/8" 050 PE

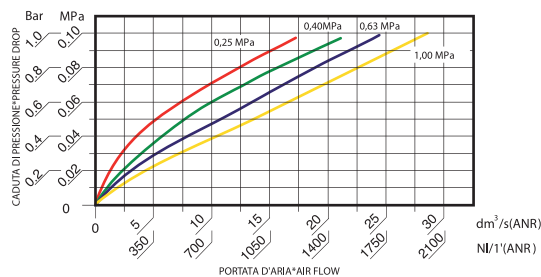
LINE 052-1/2

CODE	REF.
052.13.00025	L 1/2" 052 PE

MINIMUM OPERATING FLOW RATE

INLET PRESSURE			MINIMUM AIR FLOW RATE		
Psi	MPa	Bar	dm³/s (ANR)	NI/T' (ANR)	SCFM
36	0,25	2,50	0,10	6	0.2
58	0,40	4,00	0,13	8	0.3
91	0,63	6,30	0,18	11	0.4

CURVE DI PORTATA *FLOW CHARTS

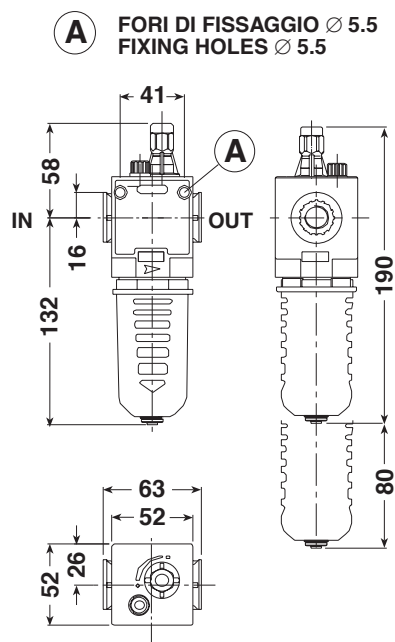


GUIDE TO REFERENCES

L 1/4" 042 PE

Product L = Lubricator	Version = Standad VL = Vacuum filling IL = Min Level indicator IM = Max/Min Level indicator (line 095 only)
Connection 1/4" = G 1/4" 3/8" = G 3/8" 1/2" = G 1/2" 3/4" = G 3/4" 1" = G 1"	Bowl TT = Transparent (Line 042 only) TC = Short transparent (Line 042 only) PE = With outer guard
Line 042 050 052 075 080 095	

LINE 050 3/8-052 1/2 | LUBRICATORS WITH LEVEL INDICATOR



GENERAL FEATURES

Lubricator equipped with float type level indicator, emitting an electric signal able to control light indicators or acoustic alarms upon reaching the minimum level.
Oil suction even under low flow rate with high sensitivity in the lubricant adjustment.
It can be wall mounted through the holes prearranged on the body.
Closed bowl made from hardened polyamide, with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	Line 050 3/8" - Line 052 1/2"
Maximum inlet pressure	7 Bar
Maximum voltage	100 V AC
Electric contact	0,75 A 10W Protection IP 65
Bowl capacity	61 cc
Recommended oil viscosity	ISO VG32
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	1.700 NI/min
Working temperature (a 7 bar)	-5 / +50°C
Max Torque IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Weight	0,260 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

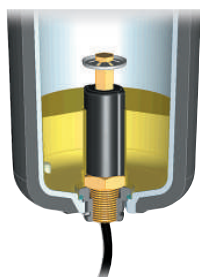
LINE 050-3/8

CODE	REF.
050.13.00036	L 3/8" 050 PE IL

LINE 052-1/2

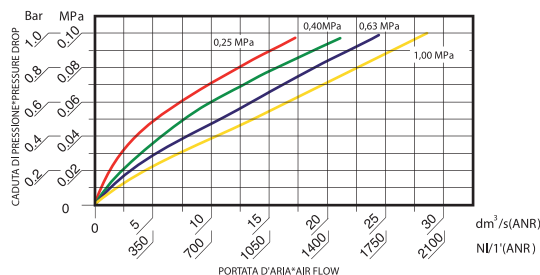
CODE	REF.
052.13.00036	L 1/2" 052 PE IL

LEVEL INDICATOR



blu blue
marrone brown
NC

CURVE DI PORTATA *FLOW CHARTS



GUIDE TO REFERENCES

L 1/4" 042 PE

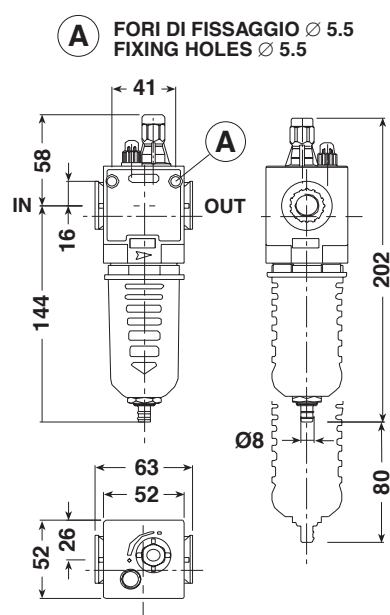
Product L = Lubricator	Version Standard VL = Vacuum filling IL = Min Level indicator IM = Max/Min Level indicator (Line 095 only)
Connection 1/4" = G 1/4" 3/8" = G 3/8" 1/2" = G 1/2" 3/4" = G 3/4" 1" = G 1"	Bowl TT = Transparent (Line 042 only) TC = Short transparent (Line 042 only) PE = With outer guard
Line 042 050 052 075 080 095	

LINE 050 3/8-052 1/2 | VL VACUUM FILLING LUBRICATORS



GENERAL FEATURES

Proportional oil mist lubricator with oil filling from an external tank without interrupting the operation of the system.
Oil suction even under low flow rate with high sensitivity in the lubricant adjustment.
It can be wall mounted through the holes prearranged on the body.
Closed bowl made from hardened polyamide with outer guard.



GENERAL TECHNICAL DATA

INLET-OUTLET connections	Line 050 3/8" - Line 052 1/2"
Working pressure	min. 4 Bar - max 12,5 Bar
Bowl capacity	68 cc
Recommended oil viscosity	ISO VG32
Reference flow rate (P1= 10 bar ΔP= 1 bar)	2.060 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Weight	0,270 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

LINE 050-3/8

CODE	REF.
050.13.00500	L 3/8" 050 PE VL

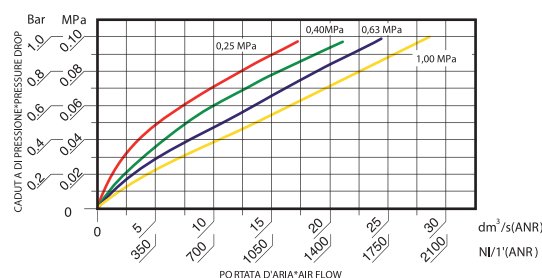
LINE 052-1/2

CODE	REF.
052.13.00500	L 1/2" 052 PE VL

MINIMUM OPERATING FLOW RATE

INLET PRESSURE			MINIMUM AIR FLOW RATE		
Psi	MPa	Bar	dm ³ /s (ANR)	NI/T ¹ (ANR)	SCFM
36	0,25	2,50	0,10	6	0.2
58	0,40	4,00	0,13	8	0.3
91	0,63	6,30	0,18	11	0.4

CURVE DI PORTATA *FLOW CHARTS



GUIDE TO REFERENCES

L 1/4" 042 PE

Product

L = Lubricator

Connection

1/4" = G 1/4"

3/8" = G 3/8"

1/2" = G 1/2"

3/4" = G 3/4"

1" = G 1"

Line

042

050

052

075

080

095

Version

= Standard

VL = Vacuum filling

IL = Min Level indicator

IM = Max/Min Level indicator (Line 095 only)

Bowl

TT = Transparent (Line 042 only)

TC = Short transparent (Line 042 only)

PE = With outer guard

FUNCTIONING VL

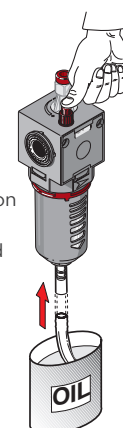
The oil filling is achieved by pressing and holding the button at the base of the lubricator body.

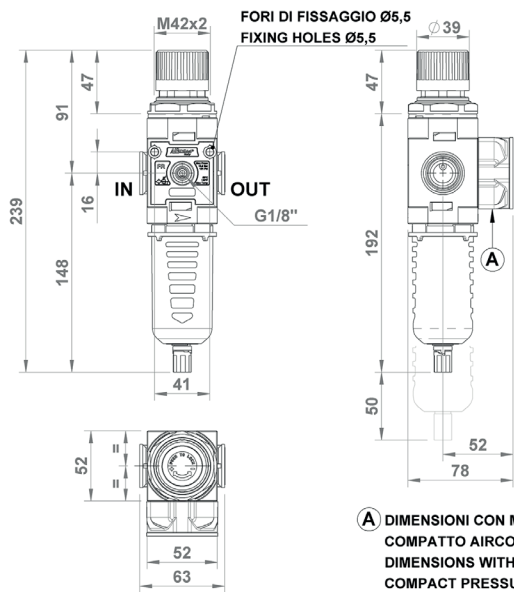
The "Venturi" system causes a vacuum inside the bowl and the related oil intake.

The oil filling is stopped only upon releasing the button.

The oil level is visually checked during the filling.

Max. suction height : 1,5 m.





GENERAL FEATURES

High performance modular filter regulator ensuring big flow rate and low load loss.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	Line 050 3/8" – Line 052 1/2"
Pressure range	0-4; 0-8; 0-12 Bar
Working pressure	0,5 – 12,5 Bar
Drain working pressure	model SA: 1,5 – 10 Bar model SAD: 2 – 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	2.100 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Max torque gauge port	round: 10 Nm compact: manual
Bowl capacity	42 cc
Weight	0,410 kg

Below 3°C the air of the circuit must be free from humidity

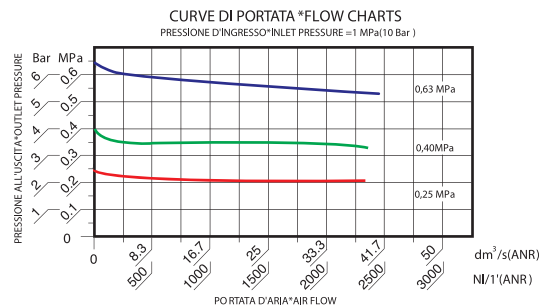
ORDERING CODE

LINE 050-3/8

CODE	REF.
050.14.00025	FR 3/8" 050 20 08 R PE SS
050.14.00001	FR 3/8" 050 20 12 R PE SS
050.14.00038	FR 3/8" 050 5 08 R PE SS
050.14.00039	FR 3/8" 050 5 12 R PE SS
Float type automatic drain version.	
050.14.00057	FR 3/8" 050 20 08 R PE SA
050.14.00060	FR 3/8" 050 5 08 R PE SA
"Differential" automatic drain version.	
050.14.00070	FR 3/8" 050 20 08 R PE SAD
050.14.00072	FR 3/8" 050 5 08 R PE SAD

LINE 052-1/2

CODE	REF.
052.14.00025	FR 1/2" 052 20 08 R PE SS
052.14.00001	FR 1/2" 052 20 12 R PE SS
052.14.00038	FR 1/2" 052 5 08 R PE SS
052.14.00039	FR 1/2" 052 5 12 R PE SS
Float type automatic drain version.	
052.14.00057	FR 1/2" 052 20 08 R PE SA
052.14.00060	FR 1/2" 052 5 08 R PE SA
"Differential" automatic drain version.	
052.14.00063	FR 1/2" 052 20 08 R PE SAD
052.14.00064	FR 1/2" 052 20 12 R PE SAD
052.14.00065	FR 1/2" 052 5 08 R PE SAD
052.14.00066	FR 1/2" 052 5 12 R PE SAD



GUIDE TO REFERENCES

FR 1/4" 042 20 08 R PE SS

Product FR = Filter regulator	Condensate Drain SS = Semiautomatic (standard) SA = Automatic float type SAD = Automatic differential S18 = Open seat 1/8 F
Connection 1/4" = G 1/4" 3/8" = G 3/8" 1/2" = G 1/2" 3/4" = G 3/4" 1" = G 1"	Bowl TT = Transparent (Line 042 only) TC = Short transparent (Line 042 only) PE = With outer guard
Line 042 050 052 075 080 095	Version R = Relieving
Filtering element 5 = 5 micron 20 = 20 micron	Range of pressure 04 = 0 - 4 Bar 08 = 0 - 8 Bar 12 = 0 - 12 Bar

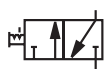


WOULD YOU LIKE TO ORDER THE
REGULATOR COMPLETE WITH GAUGE?

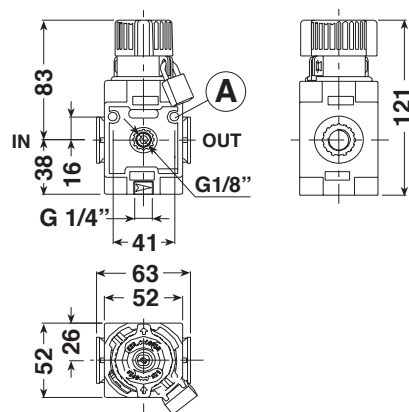
Replace 0 with "M" the the 6th digit of the part nr. for example:

050.14.M0025 FR3/8" 050 20 08R PESS + GAUGE

LINE 050 3/8-052 1/2 | 3 WAY VALVES WITH LOCK



A FORI DI FISSAGGIO Ø 5.5
FIXING HOLES Ø 5.5



GENERAL FEATURES

The job of this 3-way on-off valve is to shut off air supply and exhaust the pressure in the downstream circuit.

Application: it can be used singularly or, more commonly, assembled in battery set. It is actuated for carrying out maintenance operations with total safety, thus avoiding the system from being accidentally pressurized.

The valve is equipped with nr. 1 lock and nr. 2 keys.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	Line 050 3/8" - Line 052 1/2"
Exhaust connection	G1/4"
Maximum inlet pressure	12,5 Bar
Reference flow rate (P1= 10 bar ΔP= 1 bar)	2.580 NI/min
Exhaust flow rate (at 10 bar in open air)	1.000 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque G1/4" IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Weight	0,270 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

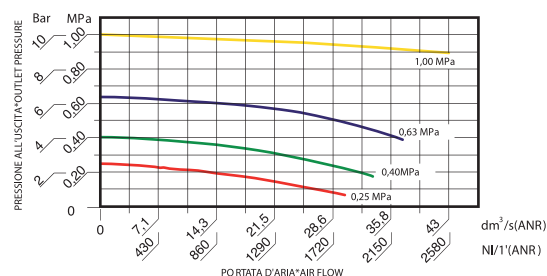
LINE 050 - 3/8

CODE	REF.
050.25.00001	V 3/8" 050 V 3

LINE 052 - 1/2

CODE	REF.
052.25.00001	V 1/2" 052 V 3

CURVE DI PORTATA *FLOW CHARTS



GUIDE TO REFERENCES

V 1/4" 042 3V

Product

V = 3 way Valve

Functioning

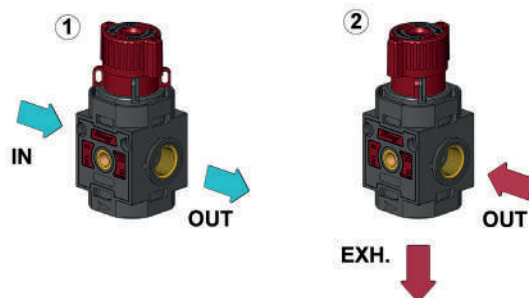
3V = 3 way

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"

Line

042
050
052
075
080



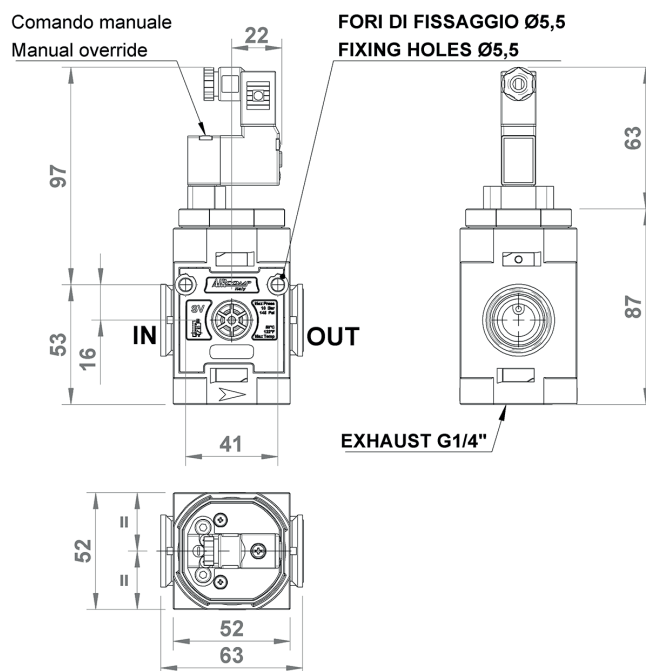
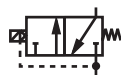
1. with OPEN VALVE

2. with CLOSED VALVE

IN and OUT are in communication for an open air flow

The inlet (IN) is closed while the outlet (OUT) is in communication with the exhaust.

LINE 050 3/8-052 1/2 SV | ELECTRICAL SHUT-OFF VALVES 15MM



GENERAL FEATURES

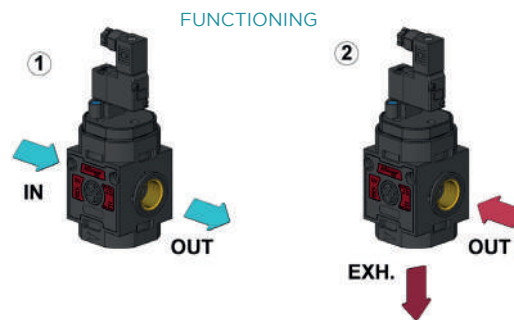
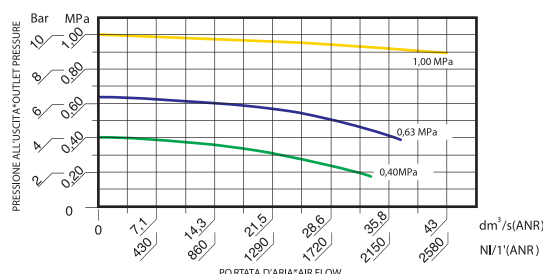
The job of the shut-off valve is to close the air supply and exhaust the pressure in the downstream circuit.
The electrical model is often connected to ON-OFF switches or emergency mushrooms on the control console.
Application: it can be used singularly or, more commonly, assembled in battery set. It is actuated for carrying out maintenance operations or for depressurizing circuit in any emergency situation.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	Line 050 3/8" - Line 052 1/2"
Exhaust connection	G1/4"
Maximum inlet pressure	10 Bar
Minimum working pressure	3 Bar
Reference flow rate (P1= 10 bar ΔP= 1 bar)	2.580 NI/min
Exhaust flow rate (at 10 bar in open air)	1.000 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Electric pilot	3/2 NC 15 mm (Microsol type)
Available voltage	24VDC (2,5W); 24VAC; 110VAC; 220VAC (3VA)
Weight	0,30 kg

Below 3°C the air of the circuit must be free from humidity

CURVE DI PORTATA *FLOW CHARTS



1. with actuated pilot, the SV is open (IN-OUT communication)

2. with non-actuated pilot, the SV is closed (IN closed / OUT exhausting)

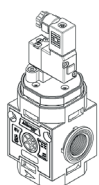
LINE 050 3/8-052 1/2 SV | ELECTRICAL SHUT-OFF VALVES 15MM

GUIDE TO REFERENCES

SV 1/4" 042 15MM 24VDC

Product SV = Shut-off valve	Voltage 12 VDC 24 VDC 24 VAC 110 VAC 220 AC
Connection 1/4" = G 1/4" 3/8" = G 3/8" 1/2" = G 1/2" 3/4" = G 3/4"	Version 15MM = Solenoid pilot 15 mm CNOM = Electric controlC-NOMO PNEU = Pneumatic connection
Line 042 050 052 075 080	

ORDERING PART NR. COMPLETE UNIT



LINE 050 - 3/8

CODE	REF.
050.26.00102	SV 3/8 050 15MM 12V DC
050.26.00202	SV 3/8 050 15MM 24V DC
050.26.00602	SV 3/8 050 15MM 24V AC
050.26.00702	SV 3/8 050 15MM 110V AC
050.26.00802	SV 3/8 050 15MM 220V AC

LINE 052 - 1/2

CODE	REF.
052.26.00102	SV 1/2 052 15MM 12V DC
052.26.00202	SV 1/2 052 15MM 24V DC
052.26.00602	SV 1/2 052 15MM 24V AC
052.26.00702	SV 1/2 052 15MM 110V AC
052.26.00802	SV 1/2 052 15MM 220V AC

ORDERING PART NR. SEPARATE COMPONENTS



CODE	REF.
C50.26.00002	KIT C. ELECTR. 3/2 NC 2,5W 24V DC MICROSOL
C50.26.00003	KIT C. ELECTR. 3/2 NC 3VA 24V AC MICROSOL
C50.26.00004	KIT C. ELECTR. 3/2 NC 3VA 110V AC MICROSOL
C50.26.00005	KIT C. ELECTR. 3/2 NC 3VA 220V AC MICROSOL
050.26.00002	SV 3/8" 050 PRED. C. ELECTR. MICROSOL/PNEUM
052.26.00002	SV 1/2" 052 PRED. C. ELECTR. MICROSOL/PNEUM

AIR PREPARATION

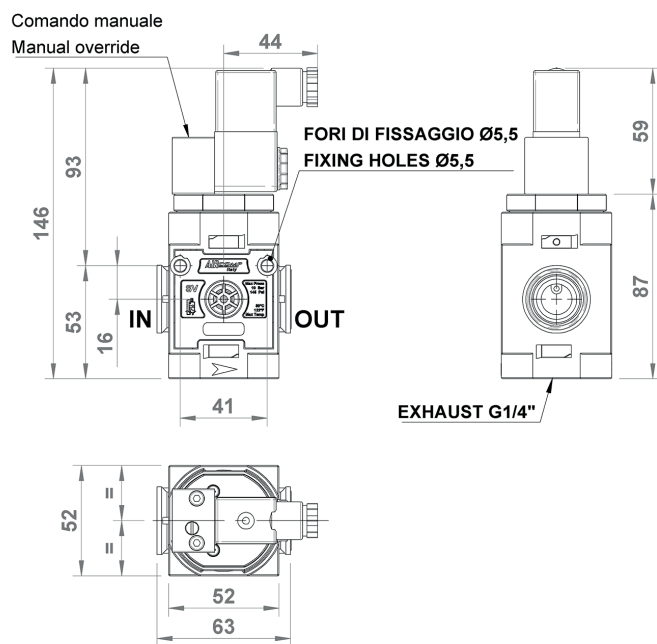
VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

LINE 050 3/8-052 1/2 SV | SHUT-OFF VALVES CNOMO



GENERAL FEATURES

The job of the shut-off valve is to close the air supply and exhaust the pressure in the downstream circuit.

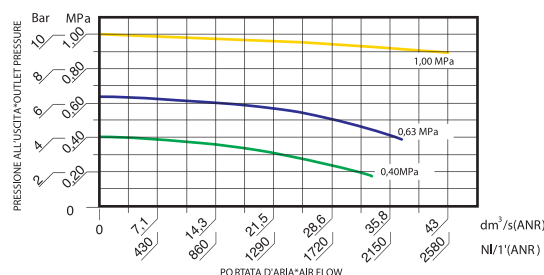
The electrical model is often connected to ON-OFF switches or emergency mushrooms present on the control console.

Application: it can be used singularly, or more commonly, assembled in battery set. It is actuated for carrying out maintenance operations or for depressurizing the circuit in any emergency situation.

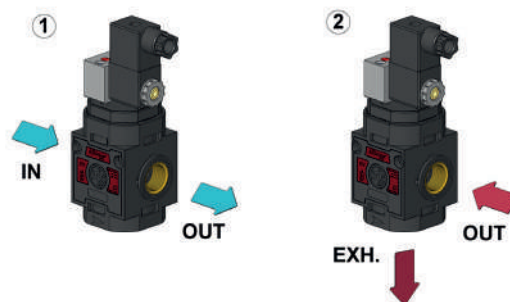
GENERAL TECHNICAL DATA

INLET-OUTLET connections	Line 050 3/8" - Line 052 1/2"
Exhaust connection	G1/4"
Maximum inlet pressure	10 Bar
Minimum working pressure	3 Bar
Reference flow rate (P1= 10 bar ΔP= 1 bar)	2.580 NI/min
Exhaust flow rate (at 10 bar in open air)	1.000 NI/min+
Working temperature (a 10 bar)	-5 / +50°C
Max Torque IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Electric pilot	3/2 NC (tipo CNOMO) for coil 22mm
Available voltage	24VDC (3W); 24VAC; 110VAC; 220VAC (5VA)
Weight	0,37 kg

CURVE DI PORTATA *FLOW CHARTS



FUNCTIONING



1. with OPEN VALVE

2. with CLOSED VALVE

IN and OUT are in communication for an open air flow

The inlet (IN) is closed while the outlet (OUT) is in communication with the exhaust.

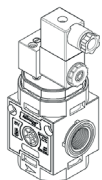
LINE 050 3/8-052 1/2 SV | SHUT-OFF VALVES CNOMO

GUIDE TO REFERENCES

SV 1/4" 042 15MM 24VDC

Product SV = Shut-off valve	Voltage 12 VDC 24 VDC 24 VAC 110 VAC 220 AC
Connection 1/4" = G 1/4" 3/8" = G 3/8" 1/2" = G 1/2" 3/4" = G 3/4"	Version 15MM = Solenoid pilot 15 mm CNOM = Electric controlC-NOMO PNEU = Pneumatic
Line 042 050 052 075 080	

ORDERING PART NR. COMPLETE UNIT LINE 050 - 3/8

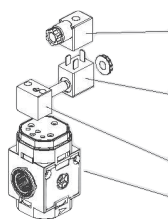


CODE	REF.
050.26.00101	SV 3/8 050 CNOM 12V DC
050.26.00201	SV 3/8 050 CNOM 24V DC
050.26.00601	SV 3/8 050 CNOM 24V AC
050.26.00701	SV 3/8 050 CNOM 110V AC
050.26.00801	SV 3/8 050 CNOM 220V AC

LINE 052 - 1/2

CODE	REF.
052.26.00101	SV 1/2 052 CNOM 12V DC
052.26.00201	SV 1/2 052 CNOM 24V DC
052.26.00601	SV 1/2 052 CNOM 24V AC
052.26.00701	SV 1/2 052 CNOM 110V AC
052.26.00801	SV 1/2 052 CNOM 220V AC

ORDERING PART NR. SEPARATE COMPONENTS CNOMO CONTROL



CODE	REF.
A50.26.00010	CONN. CNOMO
A50.26.00006	SOL. 3W 24V DC
A50.26.00007	SOL. 5VA 24V AC
A50.26.00008	SOL. 5VA 110V AC
A50.26.00009	SOL. 5VA 220V AC
C50.26.00006	C.ELECTR EV 3/2 NC CNOMO
050.26.00001	SV 3/8" 050 PRED. C. ELECTR. CNOMO
052.26.00001	SV 1/2" 052 PRED. C. ELECTR. CNOMO

AIR PREPARATION

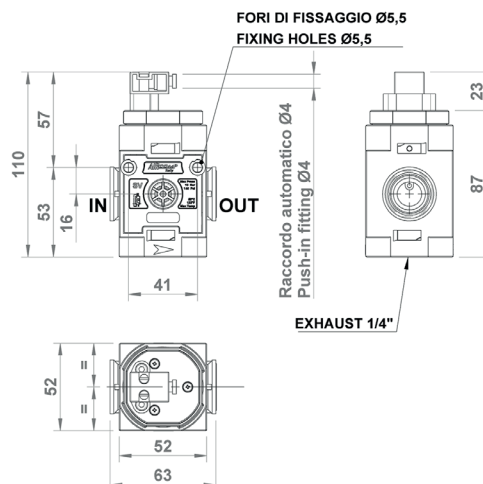
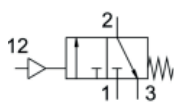
VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

LINE 050 3/8-052 1/2 | PNEUMATIC SHUT-OFF VALVES



GENERAL FEATURES

The job of the shut-off valve is to close the air supply and exhaust the pressure in the downstream circuit.

The pneumatic model is actuated through a pneumatic piloting operated by selectors or by mushroom actuators present on the control console.

Application: it can be used singularly or, more commonly, assembled in battery set. It is actuated for carrying out maintenance operations or for depressurizing the circuit in any emergency situation.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	Line 050 3/8" - Line 052 1/2"
Exhaust connection	G1/4"
Maximum inlet pressure	10 Bar
Minimum working pressure	3 Bar
Reference flow rate (P1= 10 bar ΔP= 1 bar)	2.580 NI/min
Exhaust flow rate (at 10 bar in open air)	1.000 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Pneumatic connection	push-in fitting D. 4mm
Weight	0,280 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING PART NR. COMPLETE UNIT

LINE 050 - 3/8

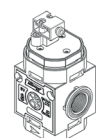
CODE REF.

050.26.00902 SV 3/8 050 PNEUMATIC

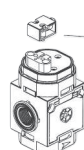
LINE 052 - 1/2

CODE REF.

052.26.00902 SV 1/2 052 PNEUMATIC



ORDERING PART NR. SEPARATE COMPONENTS PNEUMATIC CONTROL



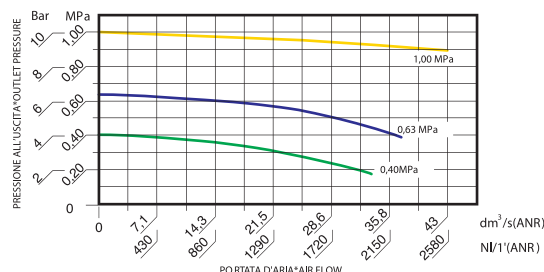
CODE REF.

C40.26.00014 PNEUMATIC CONTROL KIT

050.26.00002 SV 3/8" 050 PRED. C. ELECTR. MICRO SOL/PNEUM

052.26.00002 SV 1/2" 052 PRED. C. ELECTR. MICRO SOL/PNEUM

CURVE DI PORTATA *FLOW CHARTS



GUIDE TO REFERENCES

SV 1/4" 042 15MM 24VDC

Product
SV = Shut-off valve

Connection
1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"

Line

042
050
052
075
080

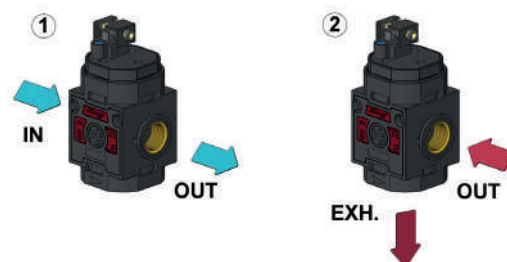
Voltage

12 VDC
24 VDC
24 VAC
110 VAC
220 AC

Version

15MM = Solenoid pilot 15 mm
CNOM = Electric control C-NOMO
PNEU = Pneumatic

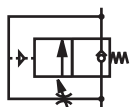
FUNCTIONING



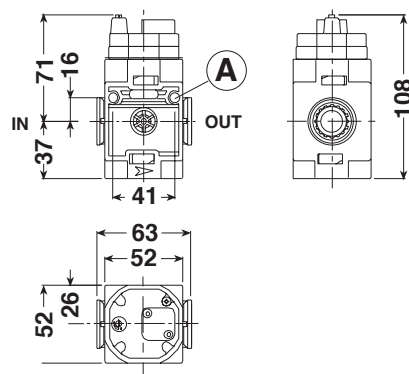
1. with piloting under pressure, the SV is open (IN-OUT communication)

2. with piloting not under pressure, the SV is closed (IN closed / OUT exhausting)

LINE 050 3/8-052 1/2 | SLOW-START VALVES



A FORI DI FISSAGGIO Ø 5.5
FIXING HOLES Ø 5.5



GENERAL FEATURES

The job of the slow-start valve is to gradually pressurize the pneumatic system upon switching it on.

The gradual pressurization takes place until about 60% of the supply pressure is reached.

The pressurization time can be adjusted through the speed controller positioned in the upper part of the body.

Application: it can be singularly used, or, more commonly, assembled with the shut-off valve. The AVP avoids any dangerous pressure surge, that may be caused by quickly supplying the system to the working pressure.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	Line 050 3/8" - Line 052 1/2"
Working pressure	min. 3 Bar - max 10 Bar
Reference flow rate (P1= 10 bar ΔP= 1 bar)	2.580 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Weight	0,270 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

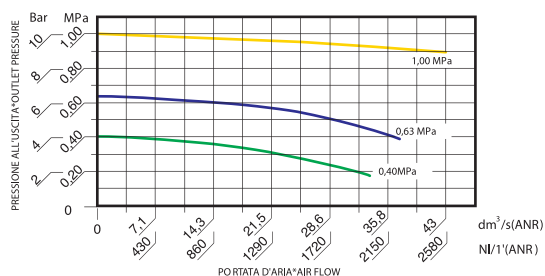
LINE 050-3/8

CODE	REF.
050.27.00001	AVP 3/8" 050 PN Autonom.

LINE 052-1/2

CODE	REF.
052.27.00001	AVP 1/2" 052 PN Autonom.

CURVE DI PORTATA *FLOW CHARTS



GUIDE TO REFERENCES

AVP 1/4" 042 PN

Product

AVP = Slow-start valve

Functioning

PN = Pneumatic

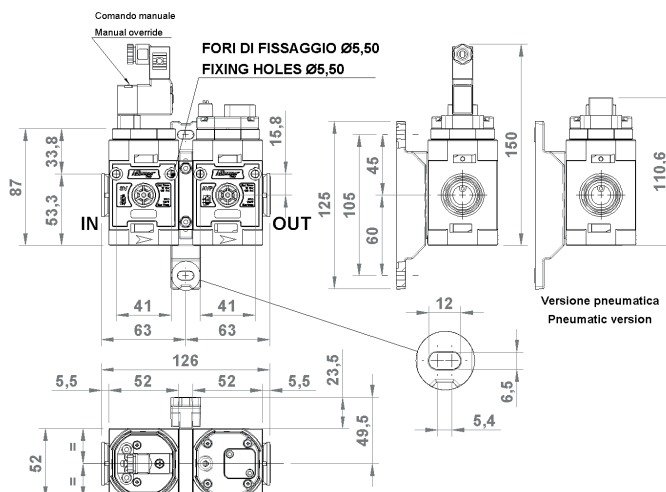
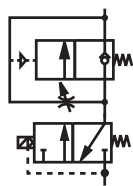
Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"

Line

042
050
052
075
080

LINE 050 3/8-052 1/2 | SHUT-OFF / SLOW START COMBINATIONS



GENERAL FEATURES

SVAV is a set consisting of shut-off valve (SV) and slow-start valve (AVP), assembled and equipped with electric or pneumatic control.

This complete unit, combines the functions of exhausting the pneumatic circuit and cutting-off air supply (SV) with the progressive pressurization provided by the slow-start valve (AVP).

The valves are available with electric control in different voltages or with pneumatic control.

The proposed set is ready to be subsequently assembled with other Aircomp modules, or singularly mounted.

For further information about SV and AVP, please refer to the respective datasheets.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	Line 050 3/8" - Line 052 1/2"
Exhaust connection	G1/4"
Maximum inlet pressure	10 Bar
Working pressure	min. 3 Bar - max. 10 Bar
Reference flow rate (P1= 10 bar ΔP= 1 bar)	1.570 NI/min
Exhaust flow rate (at 10 bar in open air)	1.000 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Electric pilot	3/2 NC 15 mm (Microsol type)
Available voltage	24VDC (2,5W); 24VAC; 110VAC; 220VAC (3VA)
Pneumatic piloting	push-in fitting D. 4mm
SVAV E Weight	0,67 kg
SVAV P Weight	0,64 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING PART NR.ELECTRIC VERSION 050

CODE	REF.
050.28.00001	SVAV 3/8 050 E 24V DC
050.28.00002	SVAV 3/8 050 E 24V AC
050.28.00003	SVAV 3/8 050 E 110V AC
050.28.00004	SVAV 3/8 050 E 220V AC

ORDERING PART NR. PNEUMATIC VERSION 050

CODE	REF.
050.28.00005	SVAV 3/8 050 P Ø4

GUIDE TO REFERENCES

SVAV 3/8" 050 E 24VDC

Product	SVAV = SV+AVP	Special type	24VDC 24VAC 110VAC 220VAC
Connection	3/8" = G3/8" 1/2" = G1/2"	Version	E = Electric P = Pneumatic
Line	050 052		

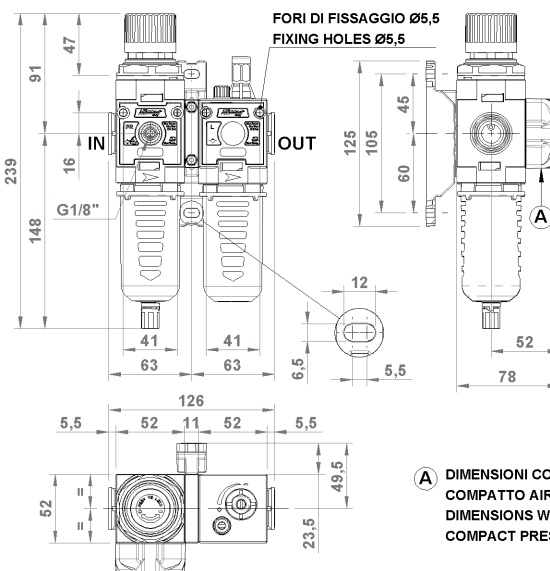
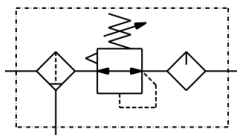
ORDERING PART NR.ELECTRIC VERSION 052

CODE	REF.
052.28.00001	SVAV 1/2 052 E 24V DC
052.28.00002	SVAV 1/2 052 E 24V AC
052.28.00003	SVAV 1/2 052 E 110V AC
052.28.00004	SVAV 1/2 052 E 220V AC

ORDERING PART NR. PNEUMATIC VERSION 052

CODE	REF.
052.28.00005	SVAV 1/2 052 P Ø4

LINE 050 3/8-052 1/2 | FR + L UNITS



A DIMENSIONI CON MANOMETRO COMPATTO AIRCOMP
DIMENSIONS WITH AIRCOMP COMPACT PRESSURE GAUGE

GENERAL FEATURES

Unit consisting of Filter regulator and Lubricator.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	Line 050 3/8" - Line 052 1/2"
Pressure range	0-4; 0-8; 0-12 Bar
Working pressure	0,5 - 12,5 Bar
Drain working pressure	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	1.500 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Max torque gauge port	round: 10 Nm compact: manual
Weight	0,70 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

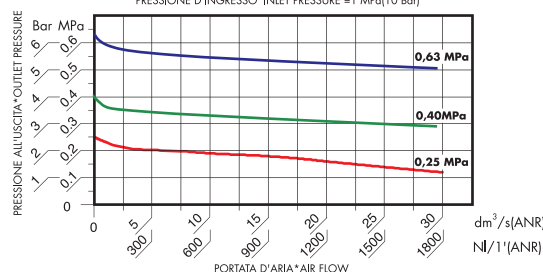
LINE 050-3/8

CODE	REF.
050.16.00025	FR+L 3/8" 050 20 08 R PE SS
050.16.00001	FR+L 3/8" 050 20 12 R PE SS
050.16.00036	FR+L 3/8" 050 5 08 R PE SS
050.16.00037	FR+L 3/8" 050 5 12 R PE SS
050.16.00501	FR+L 3/8" 050 20 08 R PE SS VL
Float type automatic drain version.	
050.16.00057	FR+L 3/8" 050 20 08 R PE SA
050.16.00059	FR+L 3/8" 050 20 12 R PE SA
"Differential" automatic drain version.	
050.16.00083	FR+L 3/8" 050 20 08 R PE SAD
050.16.00084	FR+L 3/8" 050 20 12 R PE SAD

LINE 052-1/2

CODE	REF.
052.16.00025	FR+L 1/2" 052 20 08 R PE SS
052.16.00001	FR+L 1/2" 052 20 12 R PE SS
052.16.00036	FR+L 1/2" 052 5 08 R PE SS
052.16.00037	FR+L 1/2" 052 5 12 R PE SS
052.16.00501	FR+L 1/2" 052 20 08 R PE SS VL
Float type automatic drain version.	
052.16.00057	FR+L 1/2" 052 20 08 R PE SA
052.16.00059	FR+L 1/2" 052 20 12 R PE SA
"Differential" automatic drain version.	
052.16.00063	FR+L 1/2" 052 20 08 R PE SAD
052.16.00064	FR+L 1/2" 052 20 12 R PE SAD

CURVE DI PORTATA*FLOW CHARTS
PRESSIONE D'INGRESSO*INLET PRESSURE = 1 MPa(10 Bar)



GUIDE TO REFERENCES

FR+L 1/4" 042 20 08 R PE SS

Product

FR+L = Filter regulator + Lubricator

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

Filtering element

5 = 5 micron
20 = 20 micron

Condensate Drain

SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

Bowl

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

Version

R = Relieving

Range of pressure

04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar

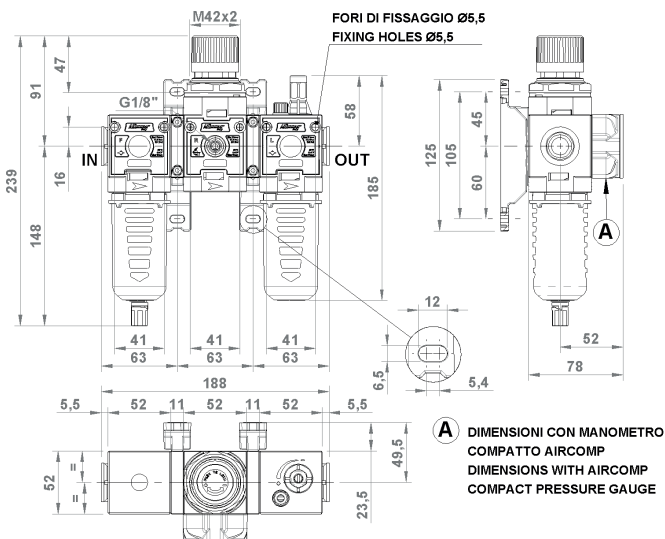
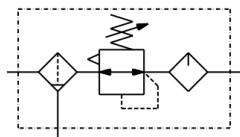


WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?

Replace O with "M" the the 6th digit of the part nr. for example:

050.16.M0025 FR+L3/8" 050 20 08R PE SS + GAUGE

LINE 050 3/8-052 1/2 | F + R + L UNITS



GENERAL FEATURES

Unit consisting of Filter + Regulator + Lubricator.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	Line 050 3/8" - Line 052 1/2"
Pressure range	0-4; 0-8; 0-12 Bar
Working pressure	0,5 - 12,5 Bar
Drain working pressure	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	1.500 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Max torque round: 10 Nm	
gauge port compact: manual	
Weight	0,7760 kg

Below 3°C the air of the circuit must be free from humidity

* For further information, please see the datasheets of each unit.

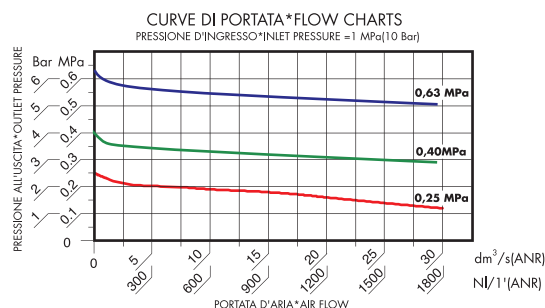
ORDERING CODE

LINE 050-3/8

CODE	REF.
050.15.00025	F+R+L 3/8" 050 20 08 R PE SS
050.15.00033	F+R+L 3/8" 050 20 12 R PE SS
050.15.00035	F+R+L 3/8" 050 5 08 R PE SS
050.15.00501	F+R+L 3/8" 050 20 08 R PE SS VL
Float type automatic drain version.	
050.15.00057	F+R+L 3/8" 050 20 08 R PE SA
050.15.00062	F+R+L 3/8" 050 20 12 R PE SA
"Differential" automatic drain version.	
050.15.00040	F+R+L 3/8" 050 20 08 R PE SAD
050.15.00041	F+R+L 3/8" 050 20 12 R PE SAD

LINE 052-1/2

CODE	REF.
052.15.00025	F+R+L 1/2" 052 20 08 R PE SS
052.15.00035	F+R+L 1/2" 052 5 08 R PE SS
052.15.00501	F+R+L 1/2" 052 20 08 R PE SS VL
Float type automatic drain version.	
052.15.00057	F+R+L 1/2" 052 20 08 R PE SA
052.15.00062	F+R+L 1/2" 052 20 12 R PE SA
"Differential" automatic drain version.	
052.15.00037	F+R+L 1/2" 052 20 08 R PE SAD
052.15.00038	F+R+L 1/2" 052 20 12 R PE SAD



GUIDE TO REFERENCES

F+R+L 1/4" 042 20 08 R PE SS

Product

F+R+L = Filter regulator + Lubricator

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

Filtering element

5 = 5 micron
20 = 20 micron

Condensate Drain

SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

Bowl

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

Version

R = Relieving

Range of pressure

04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar

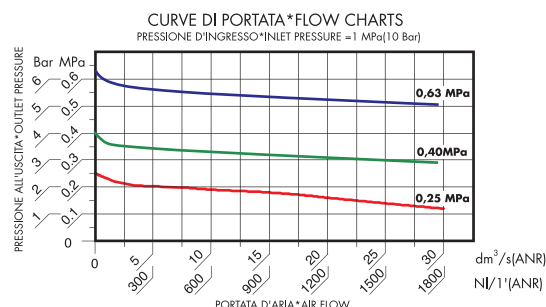
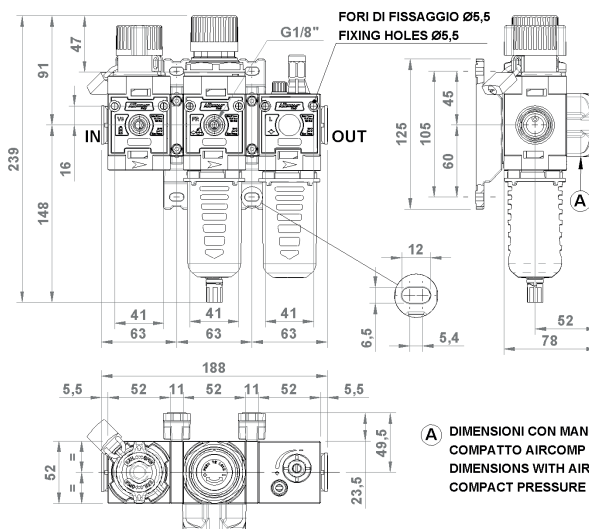
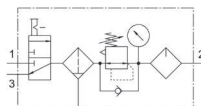


WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?

Replace 0 with "M" the 6th digit of the part nr. for example:

050.15.M0025 F+R+L 3/8" 050 20 08 R PRESS + GAUGE

LINE 050 3/8-052 1/2 | V3+FR+L UNITS



GENERAL FEATURES

Unit consisting of 3-way Valve (V3) + Filter regulator (FR) + Lubricator (L).
It combines the function of shutting-off the system along with the filtration, pressure regulation and lubrication of compressed air for industrial applications.
Lockable V3 valve for greater safety during maintenance operations.
It is equipped with semiautomatic drain as standard (SS).

GENERAL TECHNICAL DATA

INLET-OUTLET connections	Line 050 3/8" - Line 052 1/2"
Pressure range	0-4; 0-8; 0-12 Bar
Working pressure	0,5 - 12,5 Bar
Drain working pressure	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	1.500 NL/min
Working temperature (a 10 bar)	-5 / +50°C (aria secca?)
Max Torque IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Max torque gauge port	10 Nm
Weight	0,98 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
050.36.00025	V3+FR+L 3/8" 050 20 08 R PE SS
050.36.00001	V3+FR+L 3/8" 050 20 12 R PE SS
050.36.00036	V3+FR+L 3/8" 050 5 08 R PE SS
050.36.00501	V3+FR+L 3/8" 050 20 08 R PE SS VL
Float type automatic drain version.	
050.36.00057	V3+FR+L 3/8" 050 20 08 R PE SA
050.36.00059	V3+FR+L 3/8" 050 20 12 R PE SA
"Differential" automatic drain version.	
050.36.00063	V3+FR+L 3/8" 050 20 08 R PE SAD
050.36.00064	V3+FR+L 3/8" 050 20 12 R PE SAD

CODE	REF.
052.36.00025	V3+FR+L 1/2" 052 20 08 R PE SS
052.36.00001	V3+FR+L 1/2" 052 20 12 R PE SS
052.36.00036	V3+FR+L 1/2" 052 5 08 R PE SS
052.36.00501	V3+FR+L 1/2" 052 20 08 R PE SS VL
Float type automatic drain version.	
052.36.00057	V3+FR+L 1/2" 052 20 08 R PE SA
"Differential" automatic drain version.	
052.36.00063	V3+FR+L 1/2" 052 20 08 R PE SAD

GUIDE TO REFERENCES			
V3+FR+L 1/4" 042 20 08 R PE SS			
Product	V3 + Filter regulator + Lubricator	Condensate Drain	SS = Semiautomatic (standard) SA = Automatic float type SAD = Automatic differential S18 = Open seat 1/8 F
Connection	1/4" = G 1/4" 3/8" = G 3/8" 1/2" = G 1/2" 3/4" = G 3/4" 1" = G 1"	Bowl	TT = Transparent (Line 042 only) TC = Short transparent (Line 042 only) PE = With outer guard
Line	042 050 052 075 080 095	Version	R = Relieving
Filtering element	5 = 5 micron 20 = 20 micron	Range of pressure	04 = 0 - 4 Bar 08 = 0 - 8 Bar 12 = 0 - 12 Bar



WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?

Replace O with "M" the the 6th digit of the part nr. for example:

050.36.M0025 V3+FR+L 3/8" 050 20 08 R PE SS + GAUGE

LINE 050 3/8-052 1/2 | F + L UNITS

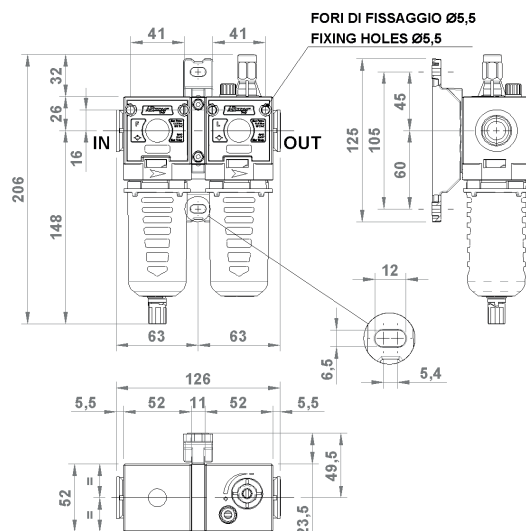
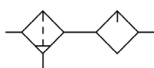
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



GENERAL FEATURES

Unit consisting of Filter and Lubricator.

It combines the functions of filtration and lubrication of compressed air for industrial applications.

Proportional oil mist lubricator ensuring a constant oil delivery over time.

Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	Line 050 3/8" - Line 052 1/2"
Working pressure	0,5 - 12,5 Bar
Drain working pressure	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate (P1= 10 bar ΔP= 1 bar)	2060 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Bowl capacity	42 cc F; 61 cc L
Max Torque IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Recommended oil viscosity	ISO VG32
Weight	0,49 kg

Below 3°C the air of the circuit must be free from humidity

GUIDE TO REFERENCES

F + L 1/4" 042 20 PE SS

Product F+L = Filter + Lubricator	Condensate Drain SS = Semiautomatic (standard) SA = Automatic float type SAD = Automatic differential S18 = Open seat 1/8 F
Connection 1/4" = G 1/4" 3/8" = G 3/8" 1/2" = G 1/2" 3/4" = G 3/4" 1" = G 1"	Bowl TT = Transparent (Line 042 only) TC = Short transparent (Line 042 only) PE = With outer guard
Line 042 050 052 075 080 095	Filtering element 5 = 5 micron 20 = 20 micron

ORDERING CODE

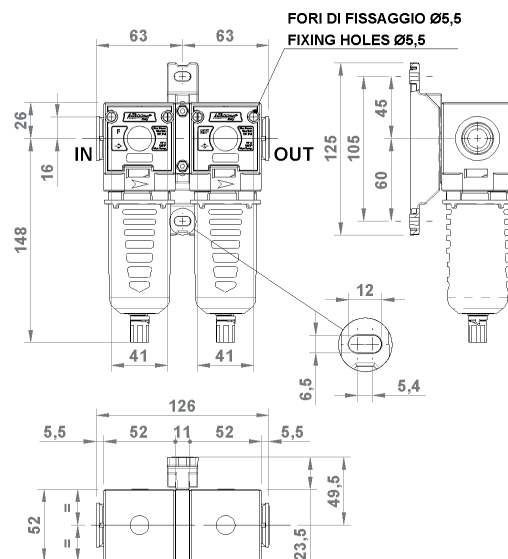
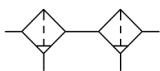
LINE 050-3/8

CODE	REF.
050.17.00025	F+L 3/8" 050 20 PE SS
050.17.00029	F+L 3/8" 050 5 PE SS
Float type automatic drain version.	
050.17.00053	F+L 3/8" 050 20 PE SA
050.17.00054	F+L 3/8" 050 5 PE SA
"Differential" automatic drain version.	
050.17.00030	F+L 3/8" 050 20 PE SAD
050.17.00031	F+L 3/8" 050 5 PE SAD

LINE 052-1/2

CODE	REF.
052.17.00025	F+L 1/2" 052 20 PE SS
052.17.00029	F+L 1/2" 052 5 PE SS
052.17.00501	F+L 1/2" 052 20 PE SS VL
Float type automatic drain version.	
052.17.00053	F+L 1/2" 052 20 PE SA
052.17.00054	F+L 1/2" 052 5 PE SA
052.17.00511	F+L 1/2" 052 20 PE SA VL
"Differential" automatic drain version.	
052.17.00055	F+L 1/2" 052 20 PE SAD
052.17.00056	F+L 1/2" 052 5 PE SAD

LINE 050 3/8-052 1/2 | F + MF UNITS



GENERAL FEATURES

Filtration set combining Filter with high condensate separation and coalescing Microfilter.

The job of the Filter is filtering solid particles and condensate separation. The job of the coalescing Microfilter is to remove oil. It is equipped with semiautomatic drain as standard (SS).

Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to the outside even when the bowl is pressurized.

Bowl made from hardened polyamide available in following configurations:

TT = transparent; PE = outer guard; TC= short transparent.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	Line 050 3/8" - Line 052 1/2"
Working pressure	0,5 - 12,5 Bar
Drain working pressure	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
Filtering degree Filter	5 micron
Filtering degree Microfilter	0,01 micron
Recommended max flow rate (P1= 10 bar ΔP= 1 bar)	500 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Weight	0,47 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

Line 050-3/8

CODE	REF.
050.19.00001	F 3/8" 050 5 PE SS+MF 3/8" 050 0,01 PE SS
Float type automatic drain version.	
050.19.00002	F 3/8" 050 5 PE SS+MF 3/8" 050 0,01 PE SA
"Differential" automatic drain version.	
050.19.00004	F 3/8" 050 5 PE SS+MF 3/8" 050 0,01 PE SAD

Line 052-1/2

CODE	REF.
052.19.00001	F 1/2" 052 5 PE SS+MF 1/2" 052 0,01 PE SS
Float type automatic drain version.	
052.19.00002	F 1/2" 052 5 PE SS+MF 1/2" 052 0,01 PE SA
"Differential" automatic drain version.	
052.19.00004	F 1/2" 052 5 PE SS+MF 1/2" 052 0,01 PE SAD

GUIDE TO REFERENCES

F 1/4" 042 5 PE SS +
MF 1/4" 042 0,01 TT SS

Product

F = Filter + Microfilter
MF = Microfilter
CF = Activated carbon

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"

Line

042
050
052
075
080

Condensate Drain

SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

Bowl

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

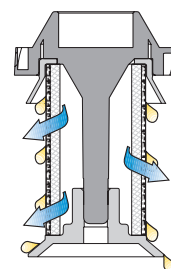
Filtering element

5 = 5 micron
20 = 20 micron
0,01 = 0,01 micron

COALESCENT CARTRIDGE

FUNCTIONING

The air with impurity enter into the special cartridge with high efficiency, that stop solid particles, capture and join outside particles of oil and condensate (coalescent effect). In this way, they easily fall down at the bottom of the bowl, where condensate is discharged. Filtered air obtained is without solid and liquid parts.



AIR PREPARATION

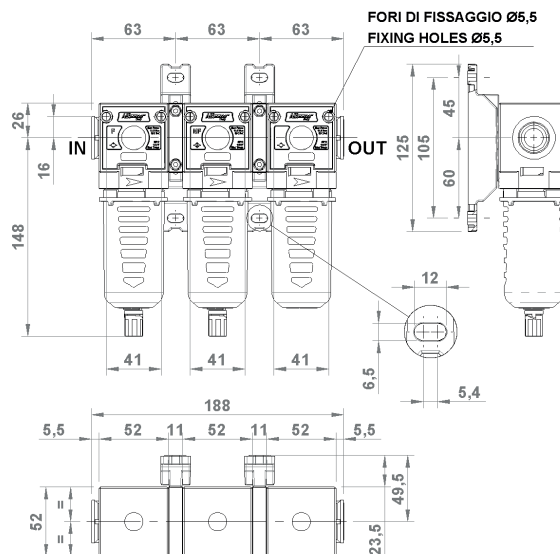
VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

LINE 050 3/8-052 1/2 | F + MF + CF UNITS



GENERAL FEATURES

Filtration set combining Filter with high condensate separation, coalescing Microfilter and activated carbon Filter.

The job of the unit is to filter solid particles and separate condensate with the Filter along with the coalescing function of the Microfilter, besides removing unpleasant smells in the air circuit aimed at the industrial sector by means of the activated carbon. It is equipped with semiautomatic drain as standard (SS) on F and MF. Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to the outside even when the bowl is pressurized. Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	Line 050 3/8" - Line 052 1/2"
Working pressure	0,5 - 12,5 Bar
Drain working pressure	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
Filtering degree Filter	5 micron
Filtering degree Micro-filter	0,01 micron
Activated carbon cartridge CF	
Recommended max flow rate (P1= 10 bar ΔP= 1 bar)	500 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Weight	0,74 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

LINE 050-38

CODE	REF.
050.18.00001	F 5 PE SS+MF 0,01 PE SS+CF PE 3/8 050
050.18.00008	F 5 PE SS+MF 0,01 PE SA+CF PE 3/8 050

LINE 052-1/2

CODE	REF.
052.18.00001	F 5 PE SS+MF 0,01 PE SS+CF PE 1/2 052
052.18.00002	F 5 PE SS+MF 0,01 PE SA+CF PE 1/2 052

GUIDE TO REFERENCES

F 1/4" 042 5 PE SS +
MF 1/4" 042 0,01 PE SS +
CF 1/4" 042 CA PE

Product

F = Filter + Microfilter
MF = Microfilter
CF = Activated carbon

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"

Line

042
050
052
075
080

Condensate Drain

SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

Bowl

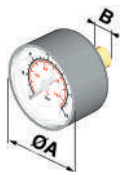
TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

Filtering element

5 = 5 micron
20 = 20 micron
0,01 = 0,01 micron
CA = Activated carbon

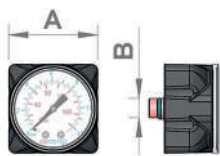
LINE 050 3/8-052 1/2 | ACCESSORIES

GAUGE



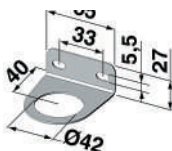
CODE	Bar	Psi	A	B	CH.
A38.00.00026	0-12	0-175	40	G1/8"	14
A38.00.00055	0-6	0-85	40	G1/8"	12
A38.00.00114	0-2,5	0-36	40	G1/8"	12

COMPACT GAUGE



CODE	Bar	Psi	A	B
A75.01.00045	0-12	0-175	50	G1/8"

BRACKET



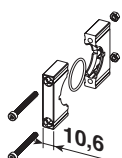
CODE
C75.01.00018

"T" BRACKET KIT LINE 050 - 052



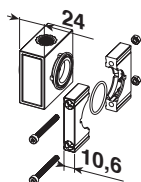
CODE
C50.06.00006

KIT ASSEMBLING UNITS



CODE	PROD.
C50.05.00001	F+R+L
C50.06.00001	FR+L - F+L

AIR TAKEOFF



CODE	CONNECTION	PROD.
Air take-off		
C50.05.00003	1/4"	F+R+L - FR+L - F+L
Inlet air take-off		
C50.06.00002	1/4" - 3/8"	tutti / all
Outlet air take-off		
C50.06.00003	1/4" - 3/8"	tutti / all

PLUG G1/8"



CODE	PRODUCT
B38.00.00018	G1/8"
A42.01.00010	G1/4" (air takeoff)

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

LINE 050 3/8-052 1/2 | ACCESSORIES

PRESSURE SWITCH



CODE	REF.
A50.06.00005	AP1 - 3-02-03-G

For further information about the pressure switch, please see relevant datasheet.

INTERMEDIATE AIR TAKE-OFF WITH PRESSURE SWITCH LINE 050-052



CODE	REF.
C50.05.00006	PA 050 INTERMEDIATE + AP1

TERMINAL AIR TAKE-OFF WITH PRESSURE SWITCH LINE 050-052 - 3/8



CODE	REF.
C50.05.00007	PA INLET 050 3/8 + AP1 (INLET)
C50.05.00008	PA OUTLET 050 3/8 + AP1 (OUTLET)

AUTOMATIC DRAIN



CODE	PRODUCT
C40.02.00130 SA	F - FR - MF
C42.02.00012 SAD	F - FR - MF

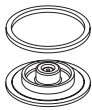
MOUNTING KIT FOR AUTOMATIC DRAIN



CODE	PRODUCT
C40.02.00131	SA - SAD

LINE 050 3/8-052 1/2 | SPARE PARTS

DIAPHRAGM KIT



CODE	PROD.	VERSION
C50.01.00021	R - FR	RELIEVING

REGULATION SPRING



CODE	PROD.	SET REGULATION
A50.01.00006	MR - R - FR	0-4 Bar
A50.01.00007	MR - R - FR	0-8 Bar
A50.01.00008	MR - R - FR	0-12 Bar

BOWL FOR FILTER



CODE	PROD.	VERSION
C50.02.00002	F - FR - MF	PE SS
C50.02.00038	F - FR - MF	PE SA
C50.02.00062	F - FR - MF	PE SAD

BOWL FOR LUBRICATOR



CODE	PROD.	VERSION
C50.03.00001	L	PE
C50.13.01000	VL	PE
C50.03.00038	IL	PE

OIL WINDOW



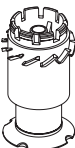
CODE	PROD.
C42.03.00005	L

OIL PLUG WITH OR 2031



CODE	PROD.
C75.03.00073	L

FILTERING ELEMENT



CODE	PROD.	VERSION
C50.02.00005	F	20 MICRON
C50.02.00018	FR	20 MICRON
C50.02.00006	F	5 MICRON
C50.02.00019	FR	5 MICRON
C50.02.00007	MF	0,01 MICRON
A50.02.00009	CF	CARBON

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

LINE 075 1/2 | MODULAR UNITS

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



GENERAL FEATURES

This Line consists of traditional units and complementary modules for enabling the configuration of battery sets integrated with several functions.

The complementary modules are:

V3 manual shut-off valve, lockable

SV electric or pneumatic shut-off valve

AVP slow-start valve

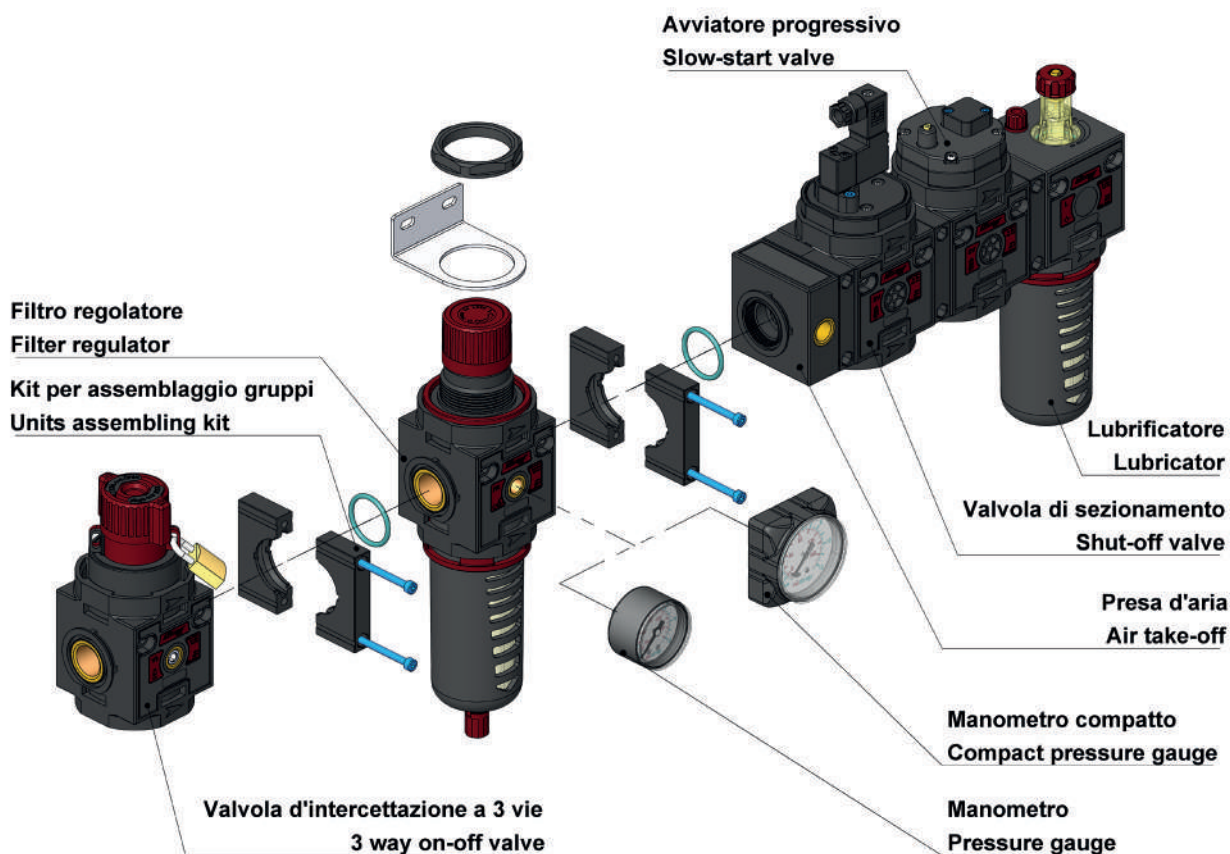
MF coalescing microfilter 0,01 micron

CF activated carbon filter

PA additional air inlet: intermediate, inlet; outlet

GENERAL TECHNICAL DATA

Fluid	compressed air
Working temperature (a 10 bar):	-5 / +50°C
Connections IN-OUT	G1/2"
Assembling type	Assembling kit
Mounting position	see singol components
Wall fixing	through holes on the body or brackets
Version with lock	standard on V3



LINE 075 1/2 | MODULAR UNITS

CONDENSATE DRAIN

The condensate building up within the pneumatic systems is often causing malfunctioning and expensive extraordinary maintenance. Therefore, it is of utmost importance providing a good separation operated by the filter and an effective drainage to the outside, in order to avoid an excessive piling up. Aircomp offers the opportunity to equip the filters with different types of condensate drain according to the system requirements.

SEMI-AUTOMATIC DRAIN (SS)



Semiautomatic drain is supplied as standard on all Aircomp Lines.

The standard drain closes when the bowl is pressurized (min. P 0,5 bar) and opens discharging the condensate whenever the unit is depressurized.

The drain can be manually set to always "closed" modality (closed both when the bowl is pressurized and depressurized).

FLOAT TYPE AUTOMATIC DRAIN (SA)



Float type automatic drain opens even when the bowl is pressurized upon reaching a set condensate level. The excess condensate is discharged to the outside and can be conveyed connecting a drainage hose to the duct.

DIFFERENTIAL AUTOMATIC DRAIN (SAD)



Differential automatic drain opens even when the bowl is pressurized but only when there is air consumption (min. delta P = 0,2 bar) and upon reaching a set condensate level. The excess condensate is discharged to the outside. It is possible to connect a drainage hose to the duct.

OPEN 1/8 CONNECTION (S18)



The seat with female thread 1/8, available upon request, allows the connection to alternative remote open/close systems, such as exhaust solenoid valves. It is available also with locking pin with "manual drain" function.

UNITS WITH COMPACT GAUGE

Units can be requested complete with gauge.

In this case, they are equipped with our compact gauge offering following advantages:

Visibility: The wide display ensures a better visibility.

Compactness: Designed for having reduced dimensions, the Compact Gauge restrains the risk of breaking.

Easiness: Simple mounting without tools. Tightness is guaranteed by an O-Ring, no teflon or sealant are required.

Versatility: The new Compact Gauge can be re-used on other Aircomp units. In case of need, it can be replaced with other commercial gauges.



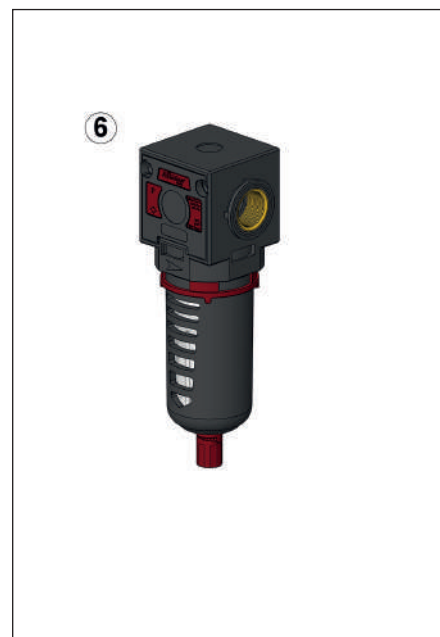
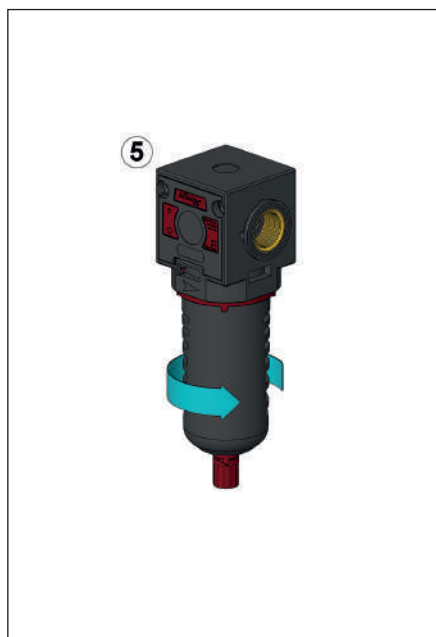
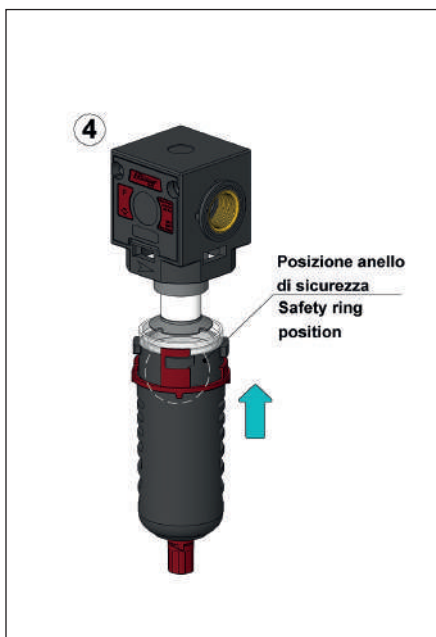
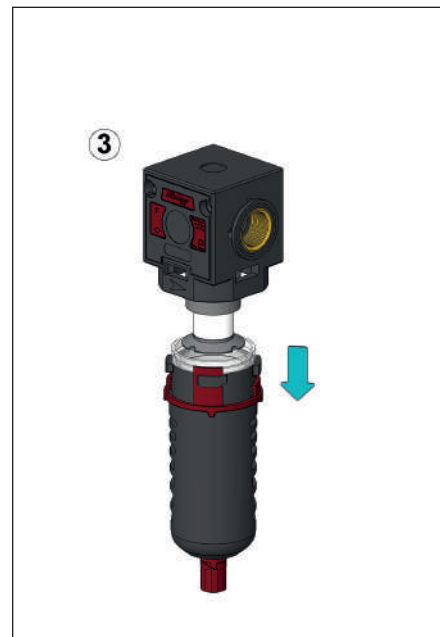
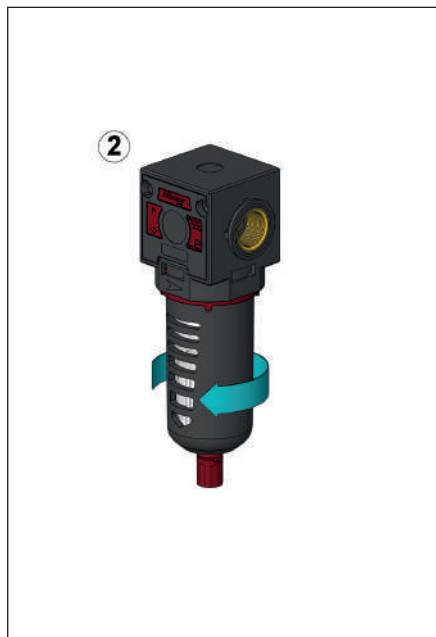
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



BOWL SAFETY RING

Bowls of Line 050, 052, 075, 080 and 095 are designed for a clip-on mounting, which enables the quick assembling and disassembling. All the bowl are equipped with a particular safety ring in order to prevent the accidental disassembly when the unit is pressurized.

For disassembling the bowl, it is actually necessary carrying out three movements in a sequence:

1. Lifting the safety ring Pic. 1
2. Turning the bowl clockwise Pic. 2
3. Lowering the bowl Pic. 3

It is not possible to disassemble the bowl when the safety ring is lowered.

Movements 1. and 2., to be executed in a sequence, increase the operator's attention on the intervention he is carrying out.

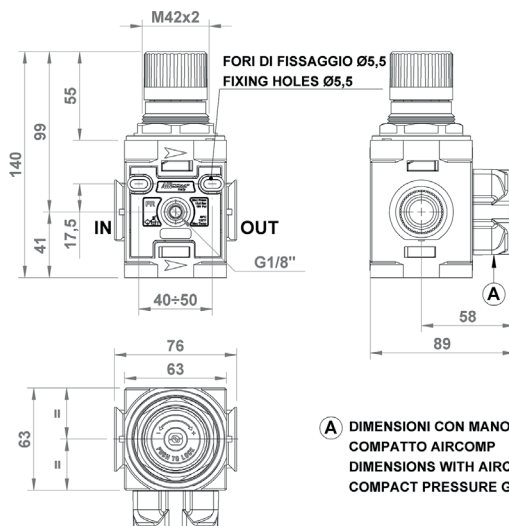
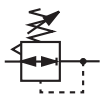


Attention: the disassembling of the bowl must always be executed when the unit is depressurized.

The bowl reassembling can be easily executed following these steps:

1. Check that the safety ring is in its correct position (on the clamping tooth) as in Pic. 4
2. Fit the bowl into the body seat and lock it turning anticlockwise Pic. 5
3. Make sure that the safety ring is brought back to the correct position Pic. 6

LINE 075 1/2 | MODULAR REGULATORS



A DIMENSIONI CON MANOMETRO COMPATTO AIRCOMP
DIMENSIONS WITH AIRCOMP COMPACT PRESSURE GAUGE

GENERAL FEATURES

Modular regulator with balanced valve which ensures big flow rate and low load loss.

Relieving for a quick exhaust of the downstream overpressure.

Knob with pressure locking device.

Equipped with nut and nr. plug.

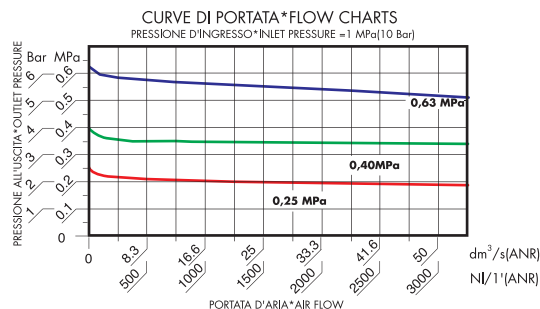
GENERAL TECHNICAL DATA

INLET-OUTLET connections	1/2"
Pressure range	0-4; 0-8; 0-12 Bar
Working pressure	0,5 - 12,5 Bar
Reference flow rate (P1= 6,3 bar P= 1bar)	2.880 NI/min
Max Torque IN OUT	1/2" 80 Nm
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1/2" 80 Nm
Max torque gauge port	round: 10 Nm compact: manual
Weight	0,435 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
075.11.00003	R 1/2" 075 04 R
075.11.*****	R 1/2" 075 08 R
075.11.00002	R 1/2" 075 12 R



GUIDE TO REFERENCES

R 1/4" 042 08 R

Product R = Regulator	Special type LK = Lockable
Connection 1/4" = G 1/4" 3/8" = G 3/8" 1/2" = G 1/2" 3/4" = G 3/4" 1" = G 1"	Version = Standard B = For battery
Line 042 050 052 075 080 095	Version R = Relieving
	Range of pressure 04 = 0 - 4 Bar 08 = 0 - 8 Bar 12 = 0 - 12 Bar

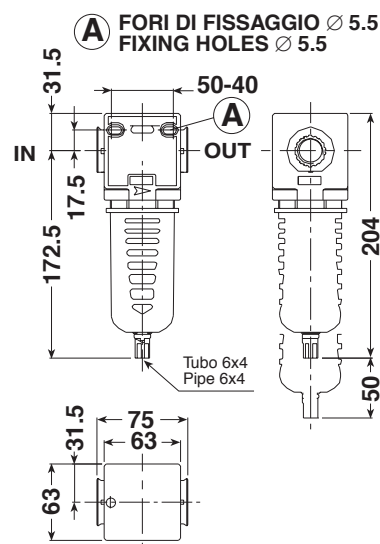


WOULD YOU LIKE TO ORDER THE
REGULATOR COMPLETE WITH GAUGE?

Replace O with "M" the the 6th digit of the part nr. for example:

075.11.M0003 R 1/2" 075 04 R + GAUGE

WATER PREPARATION



CODE	REF.
075.12.00025	F 1/2" 075 20 PE SS
075.12.00057	F 1/2" 075 5 PE SS
Float type automatic drain version.	
075.12.00026	F 1/2" 075 20 PE SA
075.12.00058	F 1/2" 075 5 PE SA
"Differential" automatic drain version.	
075.12.00076	F 1/2" 075 20 PE SAD
075.12.00077	F 1/2" 075 5 PE SAD



Filtering element
5 = 5 micron
20 = 20 micron
0,01 = 0,01 micron
CA = Activated carbon

LINE 075 1/2 | COALESCING MICROFILTERS (OIL REMOVER)



GENERAL FEATURES

Modular filter with coalescing cartridge made from glass borosilicate fiber providing high filtering efficiency (99,97% on 0,01 micron particles).

It is recommended to install a 5 micron filter upstream in order to allow a longer life of the coalescing cartridge.

Application: it is suitable for removing oil remnants in pneumatic circuits.

It can be wall mounted through the holes prearranged on the body.

Equipped with semiautomatic condensate drain as standard (SS).

Bowl made from hardened polyamide with outer guard.

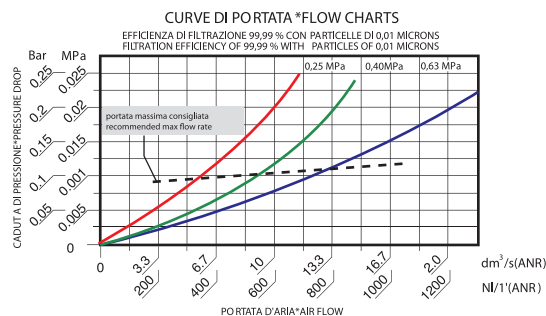
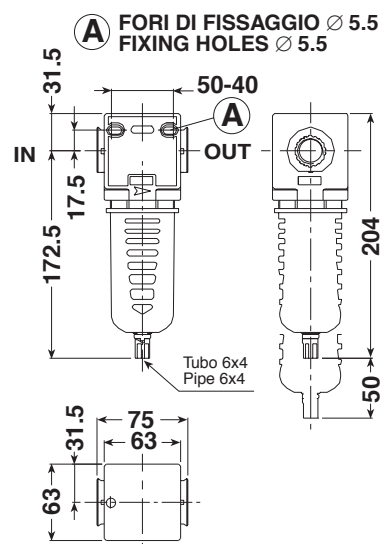
GENERAL TECHNICAL DATA

INLET-OUTLET connections	1/2"
Working pressure	0,5 - 12,5 Bar
Filtering degree	0,01 micron
Recommended max flow rate (6,3 bar):	800 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN OUT	1/2" 80 Nm
Weight	0,355 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
075.12.00027	MF 1/2" 075 0,01 PE SS
Float type automatic drain version.	
075.12.00028	MF 1/2" 075 0,01 PE SA
"Differential" automatic drain version.	
075.12.00078	MF 1/2" 075 0,01 PE SAD



GUIDE TO REFERENCES

F 1/4" 042 20 PE SS

Product

F = Filter
MF = Microfilter
CF = Activated carbon

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

Condensate Drain

SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

Bowl

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

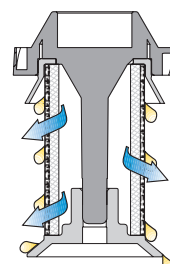
Filtering element

5 = 5 micron
20 = 20 micron
0,01 = 0,01 micron
CA = Activated carbon

COALESCENT CARTRIDGE

FUNCTIONING

The air with impurity enter into the special cartridge with high efficiency, that stop solid particles, capture and join outside particles of oil and condensate (coalescent effect). In this way, they easily fall down at the bottom of the bowl, where condensate is discharged. Filtered air obtained is without solid and liquid parts.



LINE 075 1/2 | CARBON FILTERS

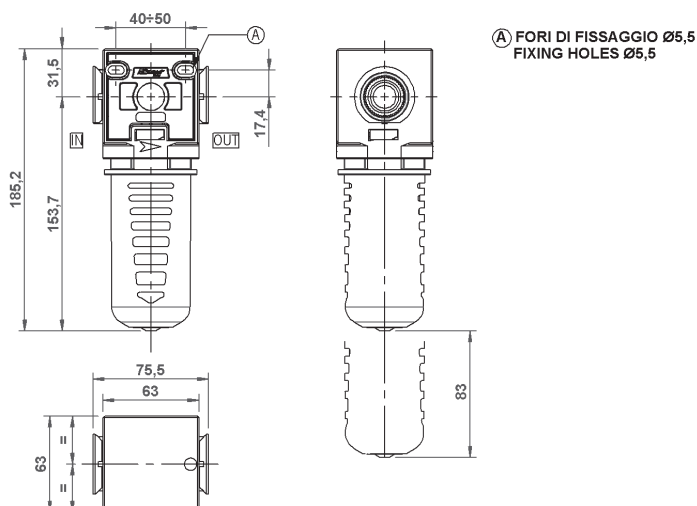
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



GENERAL FEATURES

Aircomp activated carbon filter exploits the absorption properties of activated carbon in order to increase air purity and eliminate unpleasant smell in the air aimed at the industrial sector. The activated carbon filter, in order to guarantee its performance, needs to be associated with a coalescing filter, that should be preceded by a 5 Micron filter (F+MF+CF). It can be wall mounted through the holes prearranged on the body. Closed bowl (without drain) made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

Fluid	compressed air
INLET-OUTLET connections	G1/2"
Maximum inlet pressure	12,5 Bar
Filtering cartridge	activated carbon
Life of cartridge	Replacement against pressure drop higher than 0,75 bar. Anyhow, do not exceed 2.000 working hours. Replace the cartridge as recommended, the saturation of the activated carbon may not cause pressure drop.
Reference flow rate	see the flow chart
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1/2" 80 Nm
Weight	0,335 kg

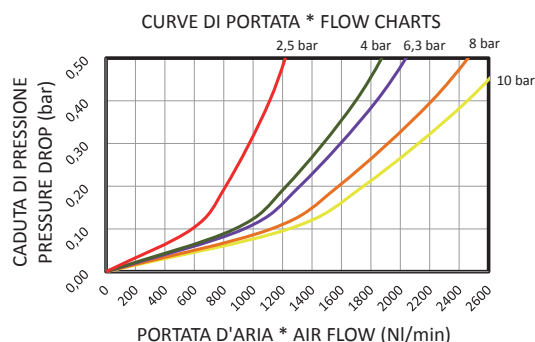
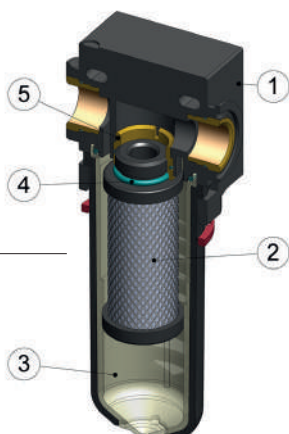
Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
075.12.00300	CF 1/2" 075 CA PE

USED MATERIALS

1. **Body** - PA + BRASS
2. **Carbon filter cartridge**
3. **Bowl** - Toughened PA
4. **O-ring** - NBR
5. **Brass insert**



GUIDE TO REFERENCES

F 1/4" 042 20 PE SS

Product

F = Filter
MF = Microfilter
CF = Activated carbon

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

Condensate Drain

SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

Bowl

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

Filtering element

5 = 5 micron
20 = 20 micron
0,01 = 0,01 micron
CA = Activated carbon

LINE 075 1/2 | LUBRICATORS



GENERAL FEATURES

Proportional oil mist lubricator allowing a constant oil delivery over time.

Oil suction even under low flow rate with high sensitivity in the lubricant adjustment.

Oil filling plug.

It can be wall mounted through the holes prearranged on the body.

Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	G1/2"
Maximum inlet pressure	12,5 Bar
Bowl capacity	140 cc
Recommended oil viscosity	ISO VG32
Reference flow rate (P1= 10 bar ΔP= 1 bar)	3,550 NI/min
Working temperature (a 10 bar)	-5 / +50°C C*
Max Torque IN-OUT	1/2" 80 Nm
Weight	0,335 kg

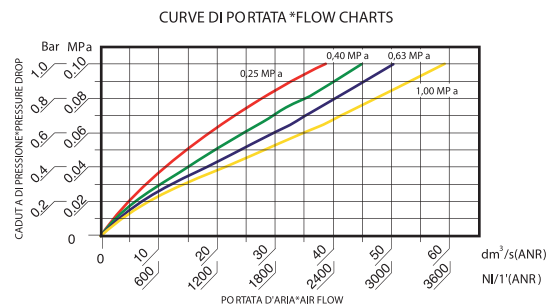
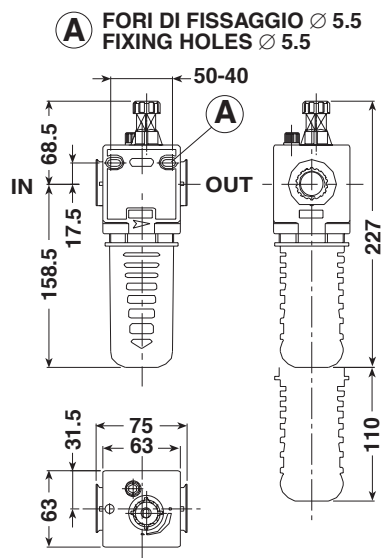
Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
075.13.00025	L 1/2" 075 PE

MINIMUM OPERATING FLOW RATE

INLET PRESSURE			MINIMUM AIR FLOW RATE		
Psi	MPa	Bar	dm ³ /s (ANR)	NI/1' (ANR)	SCFM
36	0,25	2,50	0,25	15	0.5
58	0,40	4,00	0,30	18	0.63
91	0,63	6,30	0,38	23	0.8



GUIDE TO REFERENCES

L 1/4" 042 PE

Product

L = Lubricator

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

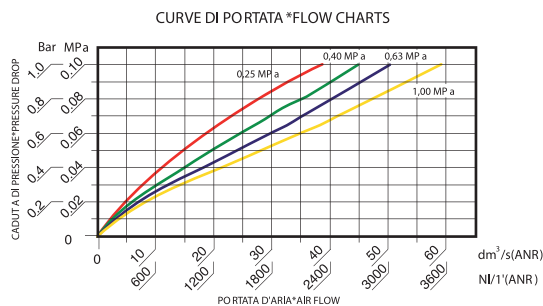
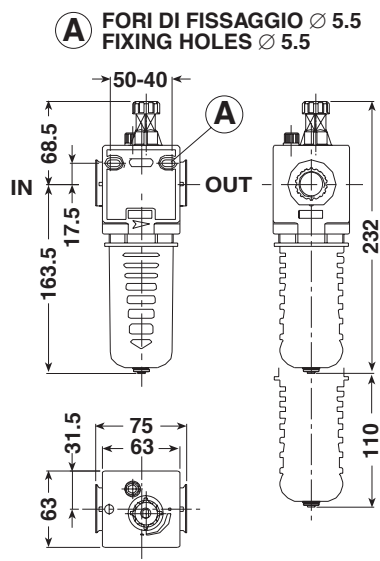
Version

= Standard
VL = Vacuum filling
IL = Min Level indicator
IM = Max/Min Level indicator (Line 095 only)

Bowl

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

LINE 075 1/2 | LUBRICATOR WITH LEVEL INDICATORS



GENERAL FEATURES

Lubricator equipped with float type level indicator, emitting an electric signal able to control light indicators or acoustic alarms upon reaching the minimum level.

Oil suction even under low flow rate with high sensitivity in the lubricant adjustment.

It can be wall mounted through the holes prearranged on the body. Closed bowl made from hardened polyamide, with outer guard.

GENERAL TECHNICAL DATA

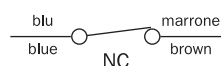
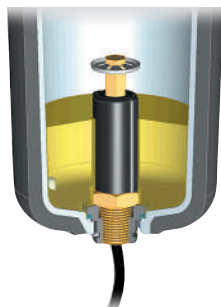
INLET-OUTLET connections	1/2"
Maximum inlet pressure	7 Bar
Maximum voltage	100 V AC
Electric contact	0,75 A 10W Protection IP 65
Bowl capacity	132 cc
Recommended oil viscosity	ISO VG32
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	3,020 NI/min
Working temperature (a 7 bar)	-5 / +50°C*
Max Torque IN-OUT	1/2" 80 Nm
Weight	0,385 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
075.13.00032	L 1/2" 075 PE IL

LEVEL INDICATOR



GUIDE TO REFERENCES

L 1/4" 042 PE

Product

L = Lubricator

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

Version

= standard

VL = Vacuum filling

IL = Min Level indicator

IM = Max/Min Level indicator (Line 095 only)

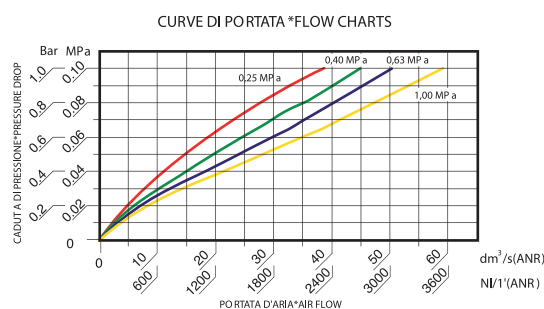
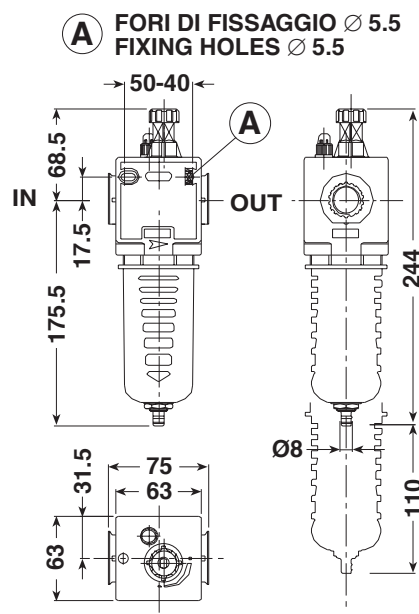
Bowl

TT = Transparent (Line 042 only)

TC = Short transparent (Line 042 only)

PE = With outer guard

LINE 075 1/2 | VL VACUUM FILLING LUBRICATORS



GENERAL FEATURES

Proportional oil mist lubricator with oil filling from an external tank without interrupting the operation of the system.

Oil suction even under low flow rate with high sensitivity in the lubricant adjustment.

It can be wall mounted through the holes prearranged on the body.

Closed bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	1/2"
Working pressure	min. 4 Bar – max 12,5 Bar
Bowl capacity	140 cc
Recommended oil viscosity	ISO VG32
Reference flow rate (P1= 10 bar ΔP= 1 bar)	3.550 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1/2" 80 Nm
Weight	0,395kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
075.13.00500	L 1/2" 075 PE VL

MINIMUM OPERATING FLOW RATE

INLET PRESSURE			MINIMUM AIR FLOW RATE		
Psi	MPa	Bar	dm³/s (ANR)	NI/1' (ANR)	SCFM
36	0,25	2,50	0,25	15	0.5
58	0,40	4,00	0,30	18	0.63
91	0,63	6,30	0,38	23	0.8

GUIDE TO REFERENCES

L 1/4" 042 PE

Product

L = Lubricator

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

Version

= standard
VL = Vacuum filling
IL = Min Level indicator
IM = Max/Min Level indicator (Line 095 only)

Bowl

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

FUNCTIONING VL

The oil filling is achieved by pressing and holding the button at the base of the lubricator body.

The "Venturi" system causes a vacuum inside the bowl and the related oil intake.

The oil filling is stopped only upon releasing the button.

The oil level is visually checked during the filling.

Max. suction height : 1,5 m.



LINE 075 1/2 | FILTER REGULATORS

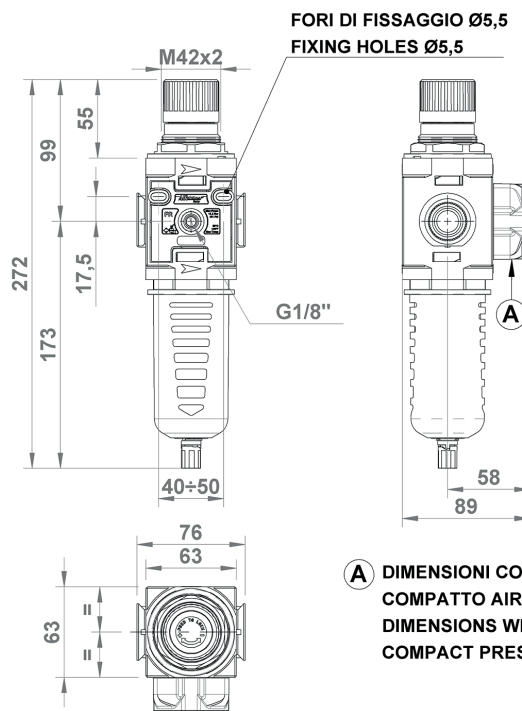
AIR PREPARATION

VALVES

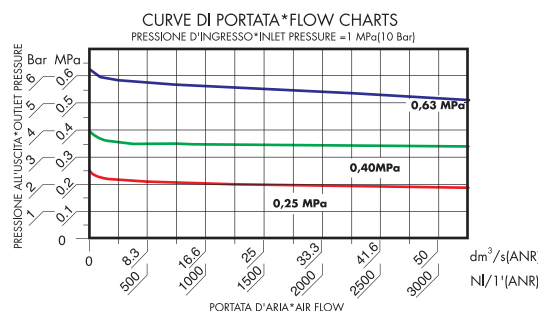
CYLINDERS

FITTINGS

WATER PREPARATION



A DIMENSIONI CON MANOMETRO
COMPATTO AIRCOMP
DIMENSIONS WITH AIRCOMP
COMPACT PRESSURE GAUGE



GENERAL FEATURES

High performance modular filter regulator ensuring big flow rate and low load loss.

Relieving for a quick exhaust of the downstream overpressure.

Knob with locking pressure device.

Equipped with semiautomatic drain as standard (SS).

Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to the outside even when the bowl is pressurized.

Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	G1/2"
Pressure range	0-4; 0-8; 0-12 Bar
Working pressure	0,5 - 12,5 Bar
Working pressure with automatic drain	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	2.880 NL/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1/2" 80 Nm
Max torque gauge port	round: 10 Nm compact: manual
Bowl capacity	100 cc
Weight	0,565 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
075.14.00025	FR 1/2" 075 20 08 R PE SS
075.14.00053	FR 1/2" 075 20 12 R PE SS
075.14.00062	FR 1/2" 075 5 04 R PE SS
075.14.00063	FR 1/2" 075 5 08 R PE SS
075.14.00064	FR 1/2" 075 5 12 R PE SS
Float type automatic drain version.	
075.14.00026	FR 1/2" 075 20 08 R PE SA
075.14.00065	FR 1/2" 075 20 12 R PE SA
"Differential" automatic drain version.	
075.14.00097	FR 1/2" 075 20 08 R PE SAD
075.14.00098	FR 1/2" 075 20 12 R PE SAD

GUIDE TO REFERENCES

FR 1/4" 042 20 08 R PE SS

Product

FR = Filter regulator

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

Filtering element

5 = 5 micron
20 = 20 micron

Condensate Drain

SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

Bowl

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

Version

R = Relieving

Range of pressure

04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar



**WOULD YOU LIKE TO ORDER
THE REGULATOR COMPLETE WITH GAUGE?**

Replace 0 with "M" the 6th digit of the part nr. for example:

075.14.00025 FR1/2" 075 20 08R PE SS + GAUGE

LINE 075 1/2 | 3-WAY VALVES WITH LOCK



GENERAL FEATURES

The job of this 3-way on-off valve is to shut off air supply and exhaust the pressure in the downstream circuit.
Application: it can be used singularly or, more commonly, assembled in battery set. It is actuated for carrying out maintenance operations with total safety, thus avoiding the system from being accidentally pressurized.
The valve is equipped with nr. 1 lock and nr. 2 keys.

GENERAL TECHNICAL DATA

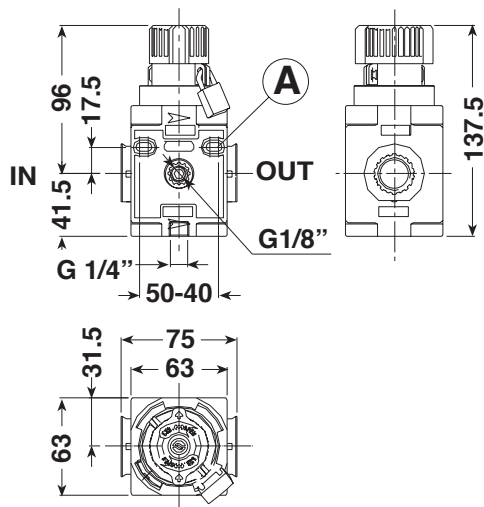
INLET-OUTLET connections	1/2"
Exhaust connection	1/4"G
Maximum inlet pressure	12,5 Bar
Reference flow rate (P1= 10 bar ΔP= 1 bar)	3.075 NI/min
Exhaust flow rate (at 10 bar in open air)	1.850 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1/2" 80 Nm
Weight	0,390 kg

Below 3°C the air of the circuit must be free from humidity

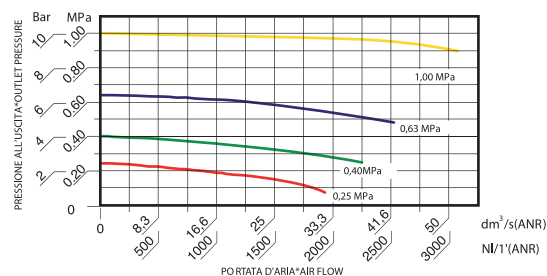
ORDERING CODE

CODE	REF.
075.25.00001	V 1/2" 075 V 3

A FORI DI FISSAGGIO Ø 5.5
FIXING HOLES Ø 5.5



CURVE DI PORTATA *FLOW CHARTS



GUIDE TO REFERENCES

V 1/4" 042 3V

Product

V = 3 way Valve

Functioning

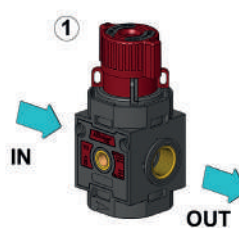
3V = 3 Way

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"

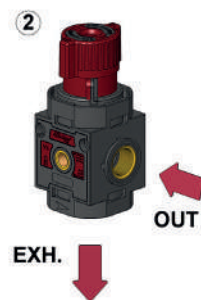
Line

042
050
052
075
080



1. with OPEN VALVE

IN and OUT are in communication for an open air flow



2. with CLOSED VALVE

The inlet (IN) is closed while the outlet (OUT) is in communication with the exhaust.

AIR PREPARATION

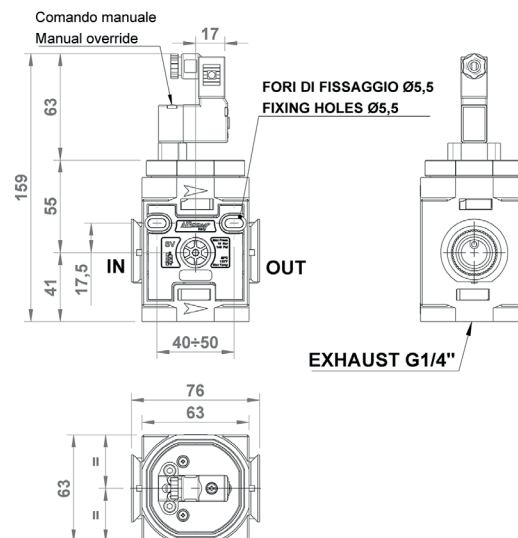
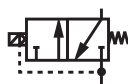
VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

LINE 075 1/2" | ELECTRICAL SHUT-OFF VALVES 15MM



GENERAL FEATURES

The job of the shut-off valve is to close the air supply and exhaust the pressure in the downstream circuit.

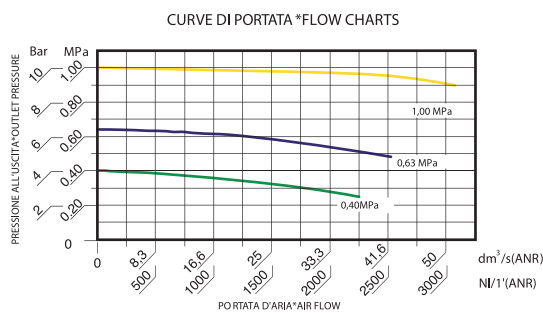
The electrical model is often connected to ON-OFF switches or emergency mushrooms on the control console.

Application: it can be used singularly or, more commonly, assembled in battery set. It is actuated for carrying out maintenance operations or for depressurizing circuits in any emergency situation.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	1/2"
Exhaust connection	1/4"G
Maximum inlet pressure	10 Bar
Minimum working pressure	3 Bar
Reference flow rate (P1= 10 bar P= 1 Bar)	3.075 NI/min
Exhaust flow rate (at 10 bar in open air)	1.850 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1/2" 80 Nm
Electric pilot	3/2 NC 15 mm (Microsol type)
Available voltage	24VDC (3W); 24VAC; 110VAC; 220VAC (5VA)
Weight	0,450kg

Below 3°C the air of the circuit must be free from humidity



GUIDE TO REFERENCES

SV 1/4" 042 15MM 24VDC

Product

SV = Shut-off valve

Connection

1/4" = G 1/4"

3/8" = G 3/8"

1/2" = G 1/2"

3/4" = G 3/4"

Line

042

050

052

075

080

Voltage

12 VDC

24 VDC

24 VAC

110 VAC

220 AC

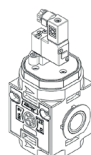
Version

15MM = Solenoid pilot 15 mm

CNOM = Electric control C-NOMO

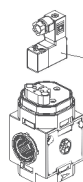
PNEU = Pneumatic

ORDERING PART NR. COMPLETE UNIT



CODE	REF.
075.26.00102	SV 1/2 075 15MM 12V DC
075.26.00202	SV 1/2 075 15MM 24V DC
075.26.00602	SV 1/2 075 15MM 24V AC
075.26.00702	SV 1/2 075 15MM 110V AC
075.26.00802	SV 1/2 075 15MM 220V AC

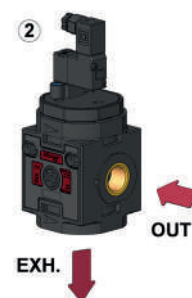
ORDERING PART NR. SEPARATE COMPONENTS



CODE	REF.
C50.26.00002	KIT C. ELECTR. 3/2 NC 2,5W 24V DC MICROSOL
C50.26.00003	KIT C. ELECTR. 3/2 NC 3VA 24V AC MICROSOL
C50.26.00004	KIT C. ELECTR. 3/2 NC 3VA 110V AC MICROSOL
C50.26.00005	KIT C. ELECTR. 3/2 NC 3VA 220V AC MICROSOL
075.26.00002	SV 1/2" 075 PRED. C. ELECTR. MICROSOL/PNEUM

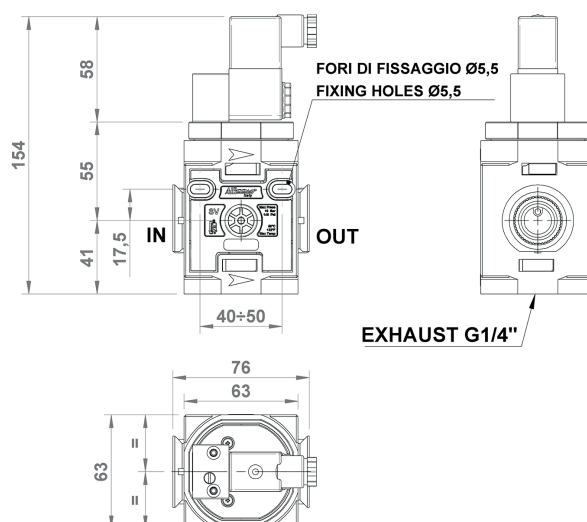
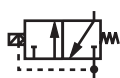


1. with actuated pilot, the SV is open (IN-OUT communication)



2. with non-actuated pilot, the SV is closed (IN closed / OUT exhausting)

LINE 075 1/2" | ELECTRICAL SHUT-OFF VALVES CNOMO



GENERAL FEATURES

The job of the shut-off valve is to close the air supply and exhaust the pressure in the downstream circuit.

The electrical model is often connected to ON-OFF switches or emergency mushrooms on the control console.

Application: it can be used singularly or, more commonly, assembled in battery set. It is actuated for carrying out maintenance operations or for depressurizing circuits in any emergency situation.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	1/2"
Exhaust connection	1/4"G
Maximum inlet pressure	10 Bar
Minimum working pressure	3 Bar
Reference flow rate (P1= 10 bar P= 1 Bar)	3.075 NI/min
Exhaust flow rate (at 10 bar in open air)	1.850 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1/2" 80 Nm
Electric pilot	3/2 NC (tipo CNOMO) for coil 22mm
Available voltage	24VDC (3W); 24VAC; 110VAC; 220VAC (5VA)
Weight	0,520kg

Below 3°C the air of the circuit must be free from humidity

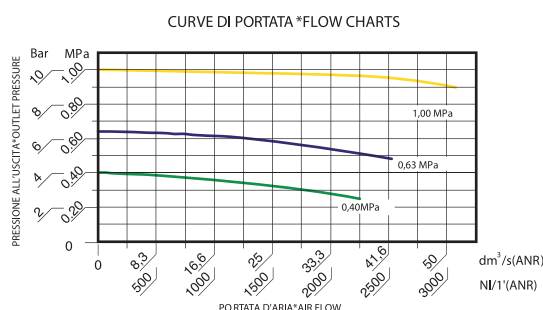
ORDERING PART NR. COMPLETE UNIT



CODE	REF.
075.26.00101	SV 1/2 075 CNOM 12V DC
075.26.00201	SV 1/2 075 CNOM 24V DC
075.26.00601	SV 1/2 075 CNOM 24V AC
075.26.00701	SV 1/2 075 CNOM 110V AC
075.26.00801	SV 1/2 075 CNOM 220V AC

ORDERING PART NR. SEPARATE COMPONENTS

CODE	REF.
A50.26.00010	CONN. CNOMO
A50.26.00006	SOL. 3W 24V DC
A50.26.00007	SOL. 5VA 24V AC
A50.26.00008	SOL. 5VA 110V AC
A50.26.00009	SOL. 5VA 220V AC
C50.26.00006	C.ELECTR EV 3/2 NC CNOMO
075.26.00001	SV 1/2" 075 PRED. C. ELECTR. CNOMO



GUIDE TO REFERENCES

SV 1/4" 042 15MM 24VDC

Product

SV = Shut-off valve

Connection

1/4" = G 1/4"

3/8" = G 3/8"

1/2" = G 1/2"

3/4" = G 3/4"

Line

042

050

052

075

080

Voltage

12 VDC

24 VDC

24 VAC

110 VAC

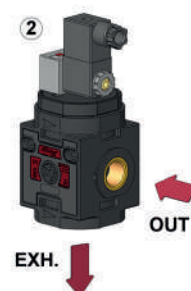
220 AC

Version

15MM = Solenoid pilot 15 mm

CNOM = Electric controlC-NOMO

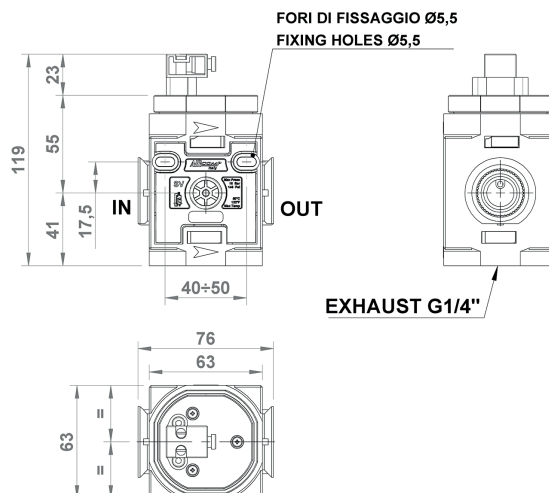
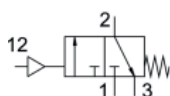
PNEUMATIC = Pneumatic connection



1. with actuated pilot, the SV is open (IN-OUT communication)

2. with non-actuated pilot, the SV is closed (IN closed / OUT exhausting)

LINE 075 1/2 | PNEUMATIC SHUT-OFF VALVES



GENERAL FEATURES

The job of the shut-off valve is to close the air supply and exhaust the pressure in the downstream circuit.

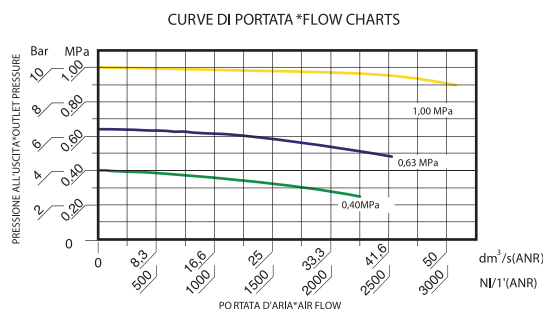
The pneumatic model is actuated through a pneumatic piloting operated by selectors or by mushroom actuators present on the control console.

Application: it can be used singularly or, more commonly, assembled in battery set. It is actuated for carrying out maintenance operations or for depressurizing the circuit in any emergency situation.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	1/2"
Exhaust connection	1/4"G
Maximum inlet pressure	10 Bar
Minimum working pressure	3 Bar
Reference flow rate (P1= 10 bar P= 1 Bar)	3.075 NI/min
Exhaust flow rate (at 10 bar in open air)	1.850 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1/2" 80 Nm
Pneumatic connection	push-in fitting D. 4mm
Weight	0,400kg

Below 3°C the air of the circuit must be free from humidity



GUIDE TO REFERENCES

SV 1/4" 042 15MM 24VDC

Product

SV = Shut-off valve

Connection

1/4" = G 1/4"

3/8" = G 3/8"

1/2" = G 1/2"

3/4" = G 3/4"

Line

042

050

052

075

080

Voltage

12 VDC

24 VDC

24 VAC

110 VAC

220 AC

Version

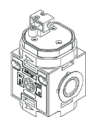
15MM = Solenoid pilot 15 mm

CNOM = Electric controlC-NOMO

PNEU = Pneumatic

ORDERING CODE

ORDERING PART NR. COMPLETE UNIT



CODE	REF.
075.26.00902	SV 1/2 075 PNEUMATIC

ORDERING PART NR. SEPARATE COMPONENTS



CODE	REF.
C40.26.00014	PNEUMATIC CONTROL KIT
075.26.00002	SV 1/2" 075 PRED. C. ELECTR. MICRO SOL/PNEUM

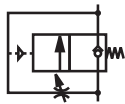


1. with piloting under pressure, the SV is open (IN-OUT communication)

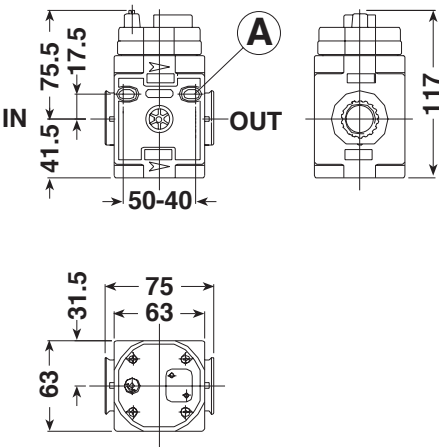


2. with piloting not under pressure, the SV is closed (IN closed / OUT exhausting)

LINE 075 1/2" | SLOW-START VALVES



A FORI DI FISSAGGIO Ø 5.5
FIXING HOLES Ø 5.5



GENERAL FEATURES

The job of the slow-start valve is to gradually pressurize the pneumatic system upon switching it on. The gradual pressurization takes place until about 60% of the supply pressure is reached. The pressurization time can be adjusted through the speed controller positioned in the upper part of the body. Application: it can be singularly used, or, more commonly, assembled with the shut-off valve. The AVP avoids any dangerous pressure surge, that may be caused by quickly supplying the system to the working pressure.

GENERAL TECHNICAL DATA

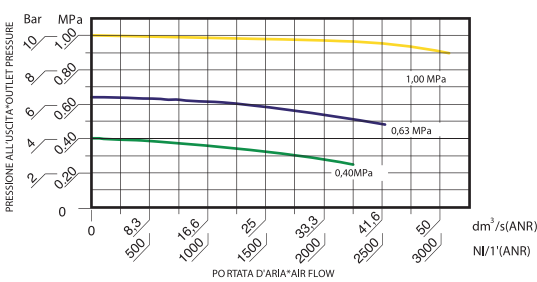
INLET-OUTLET connections	G1/2"
Working pressure	min. 3 Bar - max 10 Bar
Reference flow rate (P1= 10 bar ΔP= 1 bar)	3.075 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1/2" 80 Nm
Weight	0,410 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
075.27.00001	AVP 1/2" 075 PN Autonom.

CURVE DI PORTATA *FLOW CHARTS



GUIDE TO REFERENCES

AVP 1/4" 042 PN

Product AVP = Slow-start valve	Functioning PN = Pneumatic
Connection 1/4" = G 1/4" 3/8" = G 3/8" 1/2" = G 1/2" 3/4" = G 3/4"	Line 042 050 052 075 080

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

LINE 075 1/2 | SHUT-OFF/SLOW START COMBINATIONS

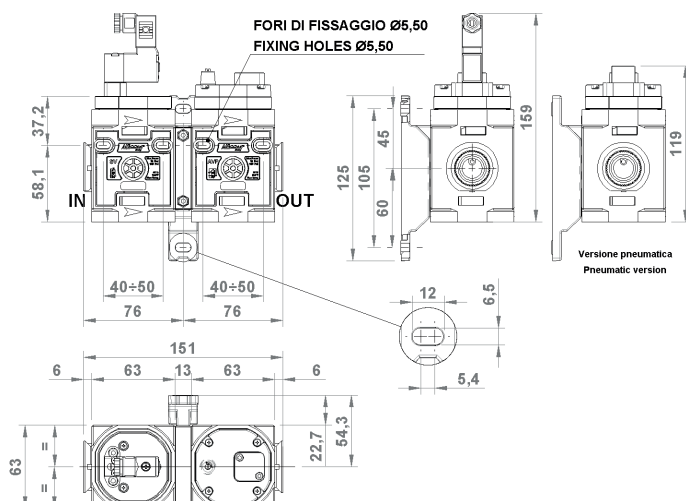
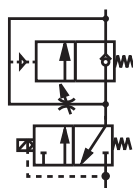
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



GENERAL FEATURES

SVAV is a set consisting of shut-off valve (SV) and slow-start valve (AVP), assembled and equipped with electric or pneumatic control.

This complete unit, combines the functions of exhausting the pneumatic circuit and cutting-off air supply (SV) with the progressive pressurization provided by the slow-start valve (AVP). The valves are available with electric control in different voltages or with pneumatic control.

The proposed set is ready to be subsequently assembled with other Aircomp modules, or singularly mounted.

For further information about SV and AVP, please refer to the respective datasheets.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	1/2"
Exhaust connection.	1/4"
Working pressure	min. 3 Bar – max. 10 Bar
Reference flow rate (P1= 10 bar ΔP= 1 bar)	3.075 NI/min
Exhaust flow rate (at 10 bar in open air)	1.850 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1/2" 80 Nm
Electric pilot	3/2 NC 15 mm (Microsol type)
Available voltage:	24VDC (2,5W); 24VAC; 110VAC; 220VAC (3VA)
Pneumatic piloting	push-in fitting D. 4mm
SVAV E Weight:	0,885 kg
SVAV P Weight	0,860 kg

Below 3°C the air of the circuit must be free from humidity

GUIDE TO REFERENCES

SVAV 1/2" 075 E 24VDC

Product
SVAV = SV+AVP

Connection
1/2" = G 1/2"

Line
075

Voltage
24VDC
24VAC
110VAC
220VAC

Piloting
E = Electric
P = Pneumatic

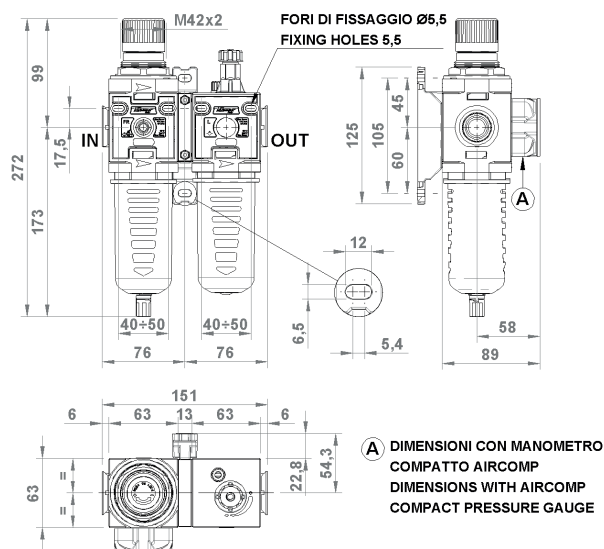
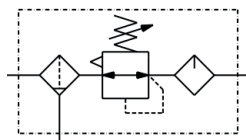
ORDERING PART NR.ELECTRIC VERSION

CODE	REF.
075.28.00001	SVAV 1/2 075 E 24V DC
075.28.00002	SVAV 1/2 075 E 24V AC
075.28.00003	SVAV 1/2 075 E 110V AC
075.28.00004	SVAV 1/2 075 E 220V AC

ORDERING PART NR. PNEUMATIC VERSION

CODE	REF.
075.28.00005	SVAV 1/2 075 P Ø4

LINE 075 1/2 | FR + L UNITS



GENERAL FEATURES

Unit consisting of Filter regulator and Lubricator.

It combines the functions of filtering, pressure regulation and lubrication of compressed air for industrial application.

Unit featuring big flow rate and regulation sensitivity, filtration and high condensate separation.

Semiautomatic condensate drain supplied as standard (SS).

Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to the outside even when the bowl is pressurized.

Bowl made from hardened polyamide with outer guard.

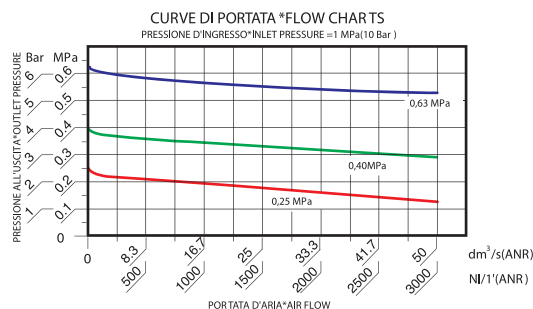
GENERAL TECHNICAL DATA

INLET-OUTLET connections	G1/2"
Pressure range	0-4; 0-8; 0-12 Bar
Working pressure	0,5 - 12,5 Bar
Working pressure with automatic drain	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	2.200 NL/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1/2" 80 Nm
Max torque gauge port	round: 10 Nm compact: manual
Weight	0,94 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
075.16.00025	FR+L 1/2" 075 20 08 R PE SS
075.16.00053	FR+L 1/2" 075 20 12 R PE SS
075.16.00065	FR+L 1/2" 075 5 08 R PE SS
075.16.00066	FR+L 1/2" 075 5 12 R PE SS
075.16.00501	FR+L 1/2" 075 20 08 R PE SS VL
Float type automatic drain version.	
075.16.00026	FR+L 1/2" 075 20 08 R PE SA
075.16.00068	FR+L 1/2" 075 20 12 R PE SA
"Differential" automatic drain version.	
075.16.00096	FR+L 1/2" 075 20 08 R PE SAD
075.16.00097	FR+L 1/2" 075 20 12 R PE SAD



GUIDE TO REFERENCES

FR+L 1/4" 042 20 08 R PE SS

Product

FR+L = Filter regulator + Lubricator

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

Filtering element

5 = 5 micron
20 = 20 micron

Condensate Drain

SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

Bowl

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

Version

R = Relieving

Range of pressure

04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar

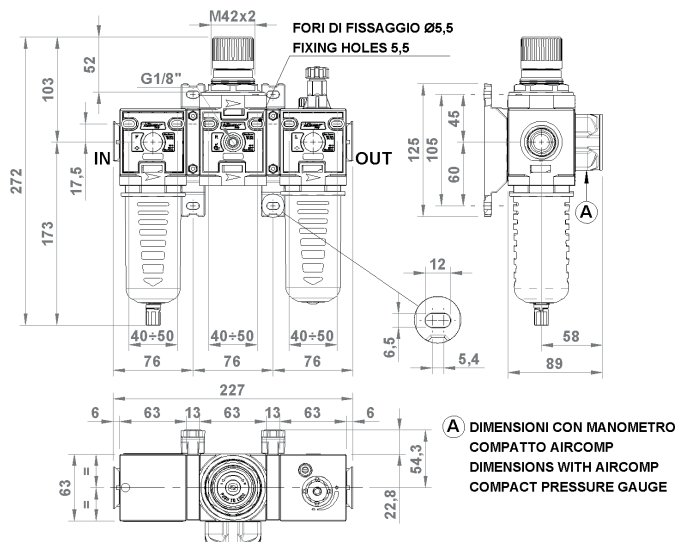
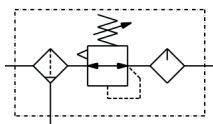


WOULD YOU LIKE TO ORDER
THE REGULATOR COMPLETE WITH GAUGE?

Replace 0 with "M" the 6th digit of the part nr. for example:

075.16.M0025 FR+L1/2" 075 20 08R PE SS + GAUGE

LINE 075 1/2 | F+R+L UNITS



GENERAL FEATURES

Unit consisting of Filter + Regulator + Lubricator.

It combines the functions of filtration, pressure regulation and lubrication of compressed air for industrial applications.

Set delivering a big flow rate and regulation sensitivity, filtration with high condensate separation.

It is equipped with semiautomatic drain as standard (SS).

Available options: float type automatic drain (SA) and differential (SAD), that can convey condensate to the outside even when the bowl is pressurized.

Bowl made from hardened polyamide with outer guard.

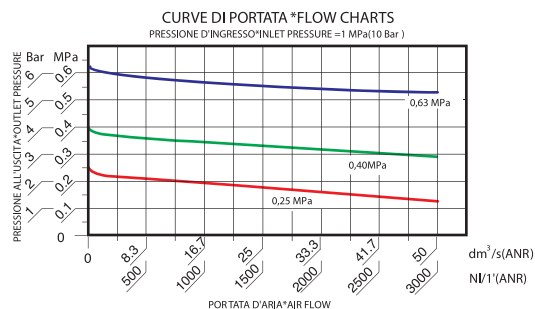
GENERAL TECHNICAL DATA

INLET-OUTLET connections	G1/2"
Pressure range	0-4; 0-8; 0-12 Bar
Working pressure	0,5 - 12,5 Bar
Working pressure with automatic drain	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	2.200 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1/2" 80 Nm
Max torque gauge port	round: 10 Nm compact: manual
Weight	1,23 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
075.15.00025	F+R+L 1/2" 075 20 08 R PE SS
075.15.00041	F+R+L 1/2" 075 20 12 R PE SS
075.15.00043	F+R+L 1/2" 075 5 08 R PE SS
075.15.00044	F+R+L 1/2" 075 5 12 R PE SS
075.15.00501	F+R+L 1/2" 075 20 08 R PE SS VL
Float type automatic drain version.	
075.15.00026	F+R+L 1/2" 075 20 08 R PE SA
075.15.00046	F+R+L 1/2" 075 20 12 R PE SA
"Differential" automatic drain version.	
075.15.00067	F+R+L 1/2" 075 20 08 R PE SAD
075.15.00069	F+R+L 1/2" 075 20 12 R PE SAD



GUIDE TO REFERENCES

F+R+L 1/4" 042 20 08 R PE SS

Product

F+R+L = Filtro +
Regolatore +
Lubrificatore

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

Filtering element

5 = 5 micron
20 = 20 micron

Condensate Drain

SS = Semiautomatic
(standard)
SA = Automatic float
type
SAD = Automatic
differential
S18 = Open seat 1/8 F

Bowl

TT = Transparent (Line
042 only)
TC = Short transparent
(Line 042 only)
PE = With outer guard

Version

R = Relieving

Range of pressure

04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar



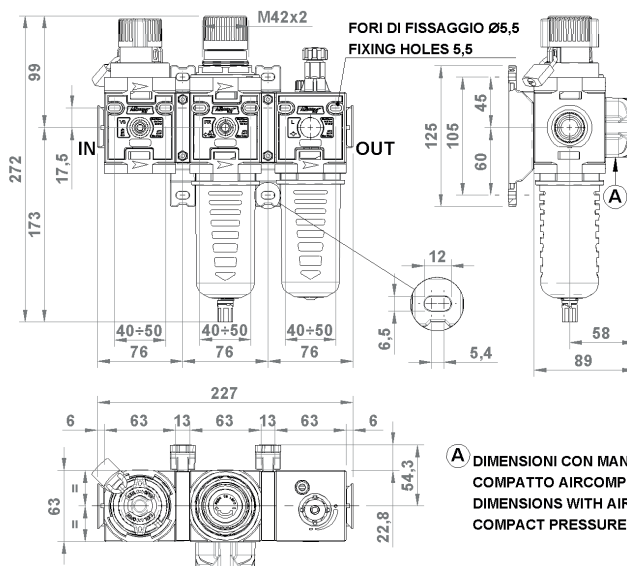
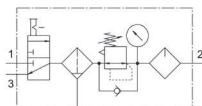
WOULD YOU LIKE TO ORDER

THE REGULATOR COMPLETE WITH GAUGE?

Replace 0 with "M" the 6th digit of the part nr. for example:

075.15.M0025 F+R+L 1/2" 075 20 08R PE SS + GAUGE

LINE 075 1/2" | V3+FR+L UNITS



A DIMENSIONI CON MANOMETRO COMPATTO AIRCOMP
DIMENSIONS WITH AIRCOMP
COMPACT PRESSURE GAUGE

GENERAL FEATURES

Unit consisting of 3-way Valve (V3) + Filter regulator (FR) + Lubricator (L).
It combines the function of shutting-off the system along with the filtration, pressure regulation and lubrication of compressed air for industrial applications.
Lockable V3 valve for greater safety during maintenance operations.
It is equipped with semiautomatic drain as standard (SS).
Available options: float type automatic drain (SA) and differential (SAD), which can discharge to the outside the condensate even when the bowl is pressurized.

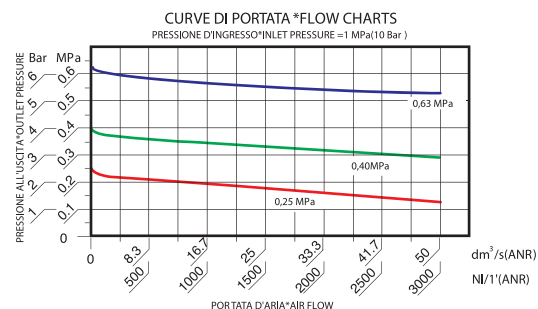
GENERAL TECHNICAL DATA

INLET-OUTLET connections	1/2"
Pressure range	0-4; 0-8; 0-12 Bar
Working pressure	0,5 - 12,5 Bar
Working pressure with automatic drain	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate (P1= 6,3 bar ΔP= 1bar)	2.200 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque In OUT	1/2" 80 Nm
Max torque gauge port	round: 10 Nm compact: manual
Weight	1,35 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
075.36.00025	V3+FR+L 1/2" 075 20 08 R PE SS
075.36.00053	V3+FR+L 1/2" 075 20 12 R PE SS
075.36.00064	V3+FR+L 1/2" 075 5 04 R PE SS
075.36.00065	V3+FR+L 1/2" 075 5 08 R PE SS
075.36.00066	V3+FR+L 1/2" 075 5 12 R PE SS
075.36.00501	V3+FR+L 1/2" 075 20 08 R PE SS VL
075.36.00505	V3+FR+L 1/2" 075 20 12 R PE SS VL
Float type automatic drain version.	
075.36.00026	V3+FR+L 1/2" 075 20 08 R PE SA
075.36.00068	V3+FR+L 1/2" 075 20 12 R PE SA
"Differential" automatic drain version.	
075.36.00072	V3+FR+L 1/2" 075 20 08 R PE SAD
075.36.00073	V3+FR+L 1/2" 075 20 12 R PE SAD



GUIDE TO REFERENCES

V3+FR+L 1/4" 042 20 08 R PE SS

Product

V3 + Filter regulator + Lubricator

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

Filtering element

5 = 5 micron
20 = 20 micron

Condensate Drain

SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

Bowl

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

Version

R = Relieving

Range of pressure

04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar



WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?

Replace 0 with "M" the 6th digit of the part nr. for example:

075.36.M0025 V3+FR+L 1/2" 075 20 08 R PE SS + GAUGE

LINE 075 1/2" | F + L UNITS

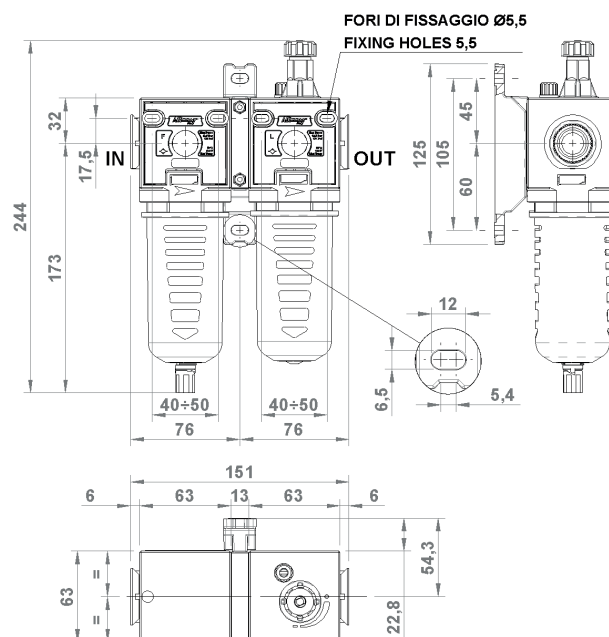
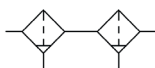
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



GENERAL FEATURES

Unit consisting of Filter and Lubricator.

It combines the functions of filtration and lubrication of compressed air for industrial applications.

Proportional oil mist lubricator ensuring a constant oil delivery over time.

Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	1/2"
Working pressure	0,5 - 12,5 Bar
Drain working pressure.	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate (P1= 10 bar ΔP= 1 bar)	3.000 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1/2" 80 Nm
Recommended oil viscosity	ISO VG32
Weight	0,800 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
075.17.00025	F+L 1/2" 075 20 PE SS
075.17.00031	F+L 1/2" 075 5 PE SS
075.17.00501	F+L 1/2" 075 20 PE SS VL
Float type automatic drain version.	
075.17.00026	F+L 1/2" 075 20 PE SA
075.17.00032	F+L 1/2" 075 5 PE SA
075.17.00511	F+L 1/2" 075 20 PE SA VL
"Differential" automatic drain version.	
075.17.00033	F+L 1/2" 075 20 PE SAD
075.17.00034	F+L 1/2" 075 5 PE SAD

GUIDE TO REFERENCES

F + L 1/4" 042 20 PE SS

Product

F+L = Filter + Lubricator

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

Condensate Drain

SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

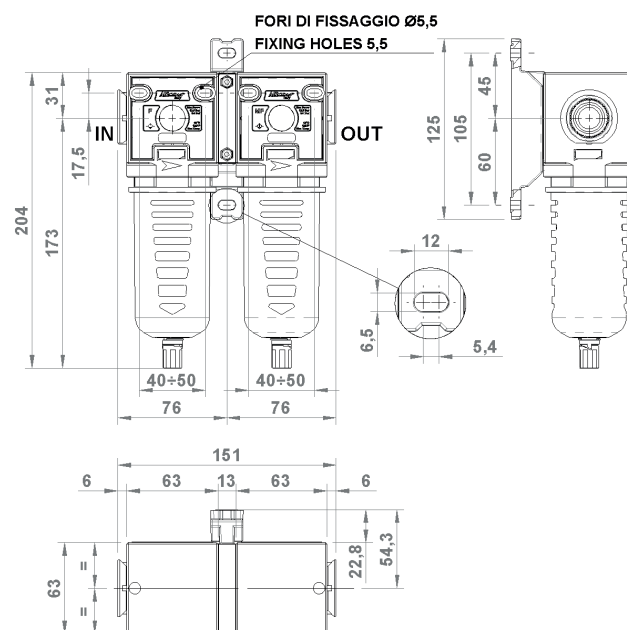
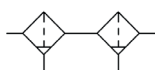
Bowl

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

Filtering element

5 = 5 micron
20 = 20 micron

LINE 075 1/2 | F + MF UNITS



GENERAL FEATURES

Filtration set combining Filter with high condensate separation and coalescing Microfilter.

The job of the Filter is filtering solid particles and condensate separation. The job of the coalescing Microfilter is to remove oil. It is equipped with semiautomatic drain as standard (SS).

Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to the outside even when the bowl is pressurized.

Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	G1/2"
Working pressure	0,5 - 12,5 Bar
Drain working pressure	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
Filtering degree Filter	5 micron
Filtering degree Microfilter	0,01 micron
Recommended max flow rate (P1= 10 bar ΔP= 1 bar)	800 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1/2" 80 Nm
Weight	0,76 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
075.19.00001	F 1/2" 075 5 PE SS+MF 1/2" 075 0,01 PE SS
Float type automatic drain version.	
075.19.00002	F 1/2" 075 5 PE SS+MF 1/2" 075 0,01 PE SA
"Differential" automatic drain version.	
075.19.00004	F 1/2" 075 5 PE SS+MF 1/2" 075 0,01 PE SAD

GUIDE TO REFERENCES

F 1/4" **5** **PE** **SS +**
MF 1/4" **042** **0,01** **TT** **SS**

Product

F = Filter + Microfilter
MF = Microfilter
CF = Activated carbon

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"

Line

042
050
052
075
080

Condensate Drain

SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

Bowl

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

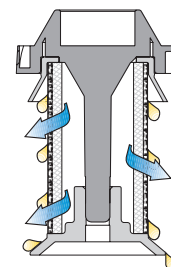
Filtering element

5 = 5 micron
20 = 20 micron
0,01 = 0,01 micron

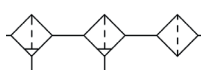
COALESCENT CARTRIDGE

FUNCTIONING

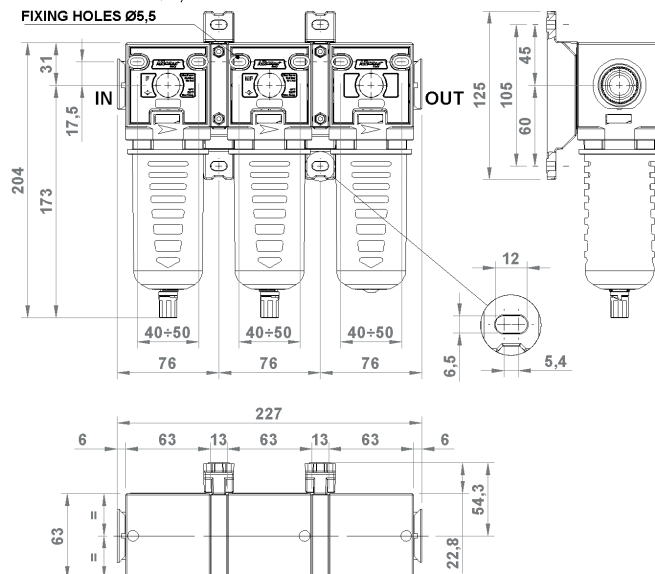
The air with impurity enter into the special cartridge with high efficiency, that stop solid particles, capture and join outside particles of oil and condensate (coalescent effect). In this way, they easily fall down at the bottom of the bowl, where condensate is discharged. Filtered air obtained is without solid and liquid parts.



LINE 075 1/2 | F + MF + CF UNITS



FORI DI FISSAGGIO Ø5,5
FIXING HOLES Ø5,5



GENERAL FEATURES

Filtration set combining Filter with high condensate separation, coalescing Microfilter and activated carbon Filter.
The job of the unit is to filter solid particles and separate condensate with the Filter along with the coalescing function of the Microfilter, besides removing unpleasant smells in the air circuit aimed at the industrial sector by means of the activated carbon. It is equipped with semiautomatic drain as standard (SS) on F and MF. Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to the outside even when the bowl is pressurized.
Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	G1/2"
Working pressure	0,5 – 12,5 Bar
Working pressure with automatic drain	model SA: 1,5 – 10 Bar model SAD: 2 – 12 Bar
Filtering degree Filter	5 micron
Filtering degree Microfilter	0,01 micron
Activated carbon cartridge CF	
Recommended max flow rate (P1= 10 bar ΔP= 1 bar)	800 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1/2" 80 Nm
Weight	1,150 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
075.18.00001	F 5 PE SS + MF 0,01 PE SS + CF PE 1/2 075
075.18.00002	F 5 PE SS + MF 0,01 PE SA + CF PE 1/2 075

GUIDE TO REFERENCES

F 1/4" 042 5 PE SS +
MF 1/4" 042 0,01 PE SS +
CF 1/4" 042 CA PE

Product

F = Filtro + Microfilter
MF = Microfilter
CF = Activated carbon

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"

Line

042
050
052
075
080

Condensate Drain

SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

Bowl

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

Filtering element

5 = 5 micron
20 = 20 micron
0,01 = 0,01 micron
CA = Activated carbon

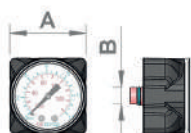
LINE 075 1/2 | ACCESSORIES

GAUGE



CODE	Bar	Psi	A	B	CH.
A75.01.00010	0-12	0-175	50	G1/8"	14
A75.01.00011	0-6	0-85	50	G1/8"	14

COMPACT GAUGE



CODE	Bar	Psi	A	B
A750100045	0-12	0-175	50	G1/8"

BRACKET



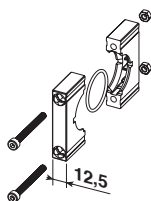
CODE
C75.01.00018

"T" BRACKET KIT LINE 075 - 080



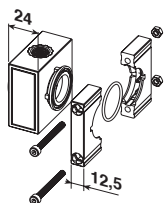
CODE
C75.06.00011

KIT ASSEMBLING UNITS



CODE	PROD.
C75.05.00001	F+R+L
C75.06.00001	FR+L - F+L

AIR TAKE-OFF



CODE	CONNECTION	PROD.
Air take-off		
C75.06.00002	1/4"	F+R+L - FR+L - F+L
Inlet air take-off		
C75.06.00004	1/4"- 1/2"	ALL
Outlet air take-off		
C75.06.00005	1/4"- 1/2"	ALL

PLUG G1/8"



CODE	PROD.
B38.00.00018	MR - MR P

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

LINE 075 1/2 | ACCESSORIES

PRESSURE SWITCH



CODE	REF.
A50.06.00005	AP1-3-02-03-G

INTERMEDIATE AIR TAKE-OFF WITH PRESSURE SWITCH LINE 075



CODE	REF.
C75.06.00008	PA 075 INTERMEDIATE + AP1

TERMINAL AIR TAKE-OFF WITH PRESSURE SWITCH LINE 075 - 1/2



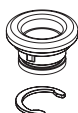
CODE	REF.
C75.06.00009	PA INLET 075 1/2 + AP1 (INLET)
C75.06.00010	PA INLET 075 1/2 + AP1 (INLET)

AUTOMATIC DRAIN



CODE	PROD.
C40.02.00130 SA	F - FR - MF
C42.02.00012 SAD	F - FR - MF

MOUNTING KIT FOR AUTOMATIC DRAIN



CODE	PROD.
C40.02.00131	SA - SAD

LINE 075 1/2 | SPARE PARTS

DIAPHRAGM KIT



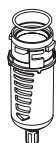
CODE	PROD.	VERSION
C75.01.00023	R - FR	RELIEVING

REGULATION SPRING



CODE	PROD.	SET REGULATION
A75.01.00030	R - FR	0÷4 Bar
A75.01.00031	R - FR	0÷8 Bar
A75.01.00032	R - FR	0÷12 Bar

BOWL FOR FILTER



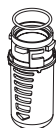
CODE	PROD.	VERSION
C75.02.00022	F - FR - MF	PE SS

BOWL WITH AUTOMATIC DRAIN



CODE	PROD.	VERSION
C75.02.00026	F - FR - MF	PE SA
C75.02.00103	F - FR - MF	PE SAD

BOWL FOR LUBRICATOR



CODE	PROD.	VERSION
C75.03.00022	IL	PE
C75.13.01000	VL	PE
C75.03.00075	IL	PE

FILTERING ELEMENT



CODE	PROD.	VERSION
C75.02.00059	F	20 MICRON
C75.02.00064	FR	20 MICRON
C75.02.00063	F	5 MICRON
C75.02.00065	FR	5 MICRON
C75.02.00061	MF	0,01 MICRON
A75.02.00036	CF	CARBON

OIL WINDOW



CODE	PROD.
C75.03.00018	L

OIL PLUG WITH OR 2031



CODE	PROD.
C75.03.00073	L

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

LINE 080 3/4" | MODULAR UNITS

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



GENERAL FEATURES

Line 080 - 3/4" comes from the Line 075 1/2", of which maintains the main features and performance.

The units of Line 080 consist of a central body with end-caps having 3/4" connections, that are assembled by means of a special anti-rotation joint.

The anti-rotation joint prevents the torsion of the components during the operation of connection of the unit to the supply ducts.

Line 080 comes complete with all the complementary modules for realizing modular sets in order to meet the requirements of each specific application.

The available complementary modules are:

V3 manual shut-off valve, lockable

SV electric or pneumatic shut-off valve

AVP slow-start valve

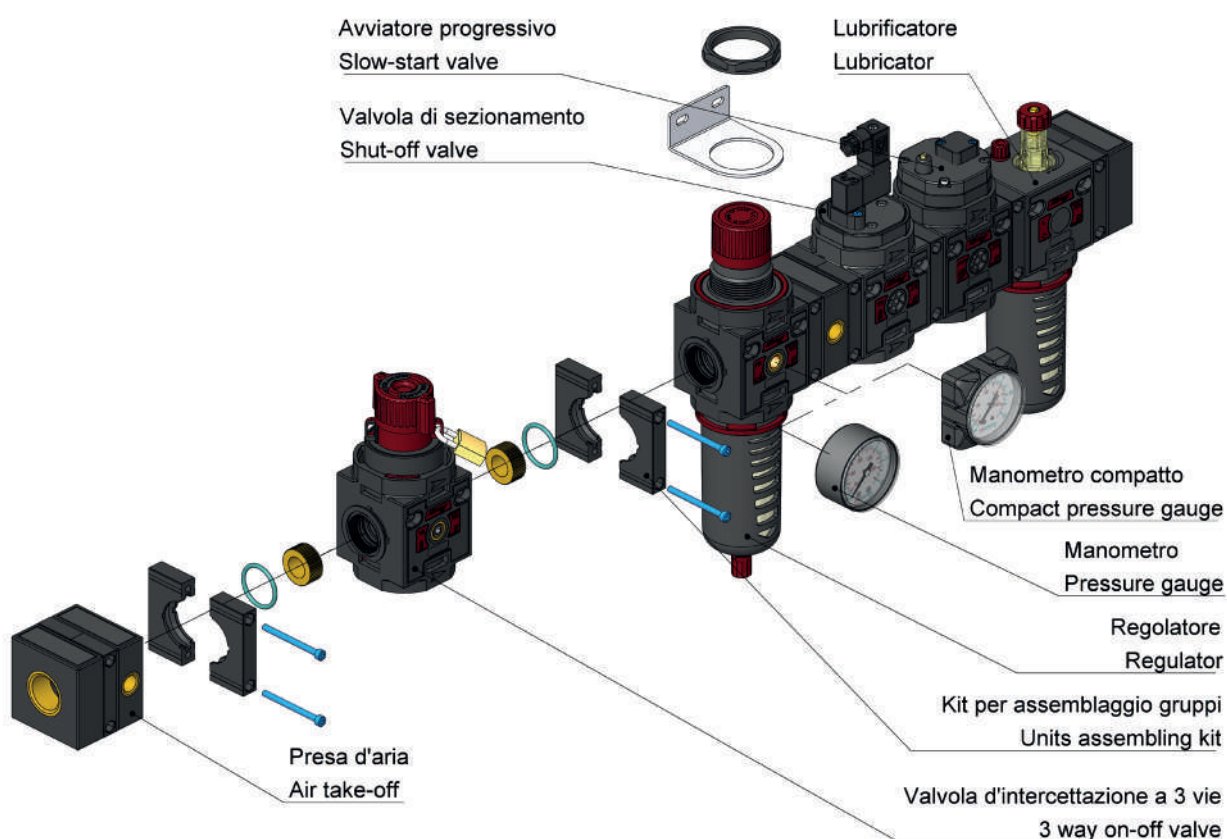
MF coalescing microfilter 0,01 micron

CF activated carbon filter

PA additional air inlet: intermediate, inlet; outlet

GENERAL TECHNICAL DATA

Fluid	compressed air
Working temperature (a 10 bar):	-5 / +50°C*
Connections IN-OUT	3/4" G
Assembling type	Assembling kit
Mounting position	see singol components
Wall fixing	through holes on the body or brackets
Version with lock	standard on V3



LINE 080 3/4" | MODULAR UNITS

CONDENSATE DRAIN

The condensate building up within the pneumatic systems is often causing malfunctioning and expensive extraordinary maintenance. Therefore, it is of utmost importance providing a good separation operated by the filter and an effective drainage to the outside, in order to avoid an excessive piling up. Aircomp offers the opportunity to equip the filters with different types of condensate drain according to the system requirements.

SEMI-AUTOMATIC DRAIN (SS)



Semiautomatic drain is supplied as standard on all Aircomp Lines. The standard drain closes when the bowl is pressurized (min. P 0,5 bar) and opens discharging the condensate whenever the unit is depressurized.

The drain can be manually set to always "closed" modality (closed both when the bowl is pressurized and depressurized).

FLOAT TYPE AUTOMATIC DRAIN (SA)



Float type automatic drain opens even when the bowl is pressurized upon reaching a set condensate level. The excess condensate is discharged to the outside and can be conveyed connecting a drainage hose to the duct.

DIFFERENTIAL AUTOMATIC DRAIN (SAD)



Differential automatic drain opens even when the bowl is pressurized but only when there is air consumption (min. delta P = 0,2 bar) and upon reaching a set condensate level. The excess condensate is discharged to the outside. It is possible to connect a drainage hose to the duct.

OPEN 1/8 CONNECTION (S18)



The seat with female thread 1/8", available upon request, allows the connection to alternative remote open/close systems, such as exhaust solenoid valves. It is available also with locking pin with "manual drain" function.

UNITS WITH COMPACT GAUGE

Units can be requested complete with gauge.

In this case, they are equipped with our compact gauge offering following advantages:

Visibility: The wide display ensures a better visibility.

Compactness: Designed for having reduced dimensions, the Compact Gauge restrains the risk of breaking.

Easiness: Simple mounting without tools. Tightness is guaranteed by an O-Ring, no teflon or sealant are required.

Versatility: The new Compact Gauge can be re-used on other Aircomp units. In case of need, it can be replaced with other commercial gauges.



LINE 080 3/4" | MODULAR UNITS

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

BOWL SAFETY RING

Bowls of Line 050, 052, 075, 080 and 095 are designed for a clip-on mounting, which enables the quick assembling and disassembling.

All the bowl are equipped with a particular safety ring in order to prevent the accidental disassembly when the unit is pressurized.

For disassembling the bowl, it is actually necessary carrying out three movements in a sequence:

1. Lifting the safety ring Pic. 1
2. Turning the bowl clockwise Pic. 2
3. Lowering the bowl Pic. 3

It is not possible to disassemble the bowl when the safety ring is lowered.

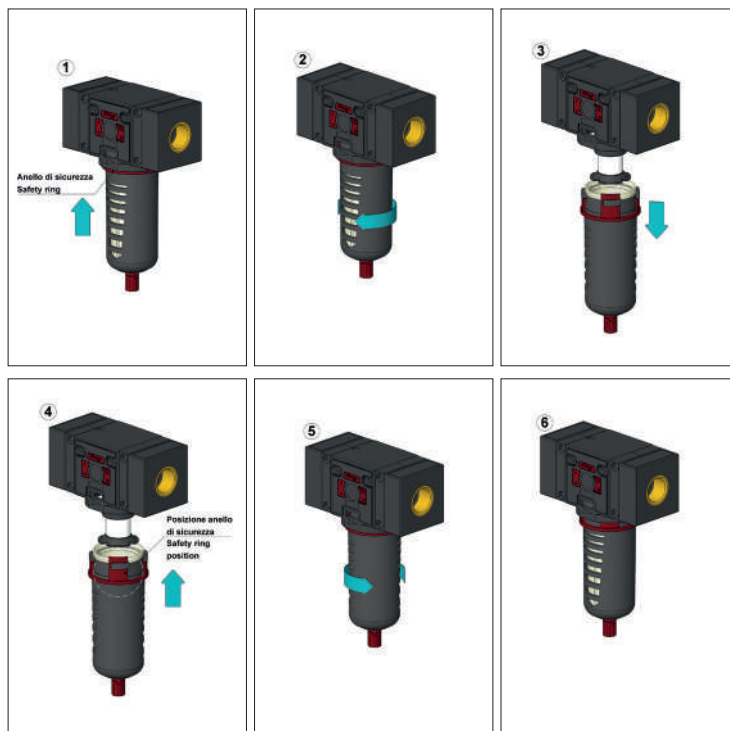
Movements 1. and 2., to be executed in a sequence, increase the operator's attention on the intervention he is carrying out.



Attention: the disassembling of the bowl must always be executed when the unit is depressurized.

The bowl reassembling can be easily executed following these steps:

1. Check that the safety ring is in its correct position (on the clamping tooth) as in Pic. 4
2. Fit the the bowl into the body seat and lock it turning anti-clockwise Pic. 5
3. Make sure that the safety ring is brought back to the correct position Pic. 6



HOW TO ORDER UNITS 3/4"

The unit is supplied COMPLETE WITH INLET and OUTLET END-CAPS for allowing installation for single use.

It is possible to order the same unit in version WITHOUT END-CAPS, when it is aimed at being assembled in battery set with other units (please refer to each datasheet for the ordering part nr.).

In such cases, end-caps are provided as first and last module only.



END-CAPS WITH ANTI-ROTATION

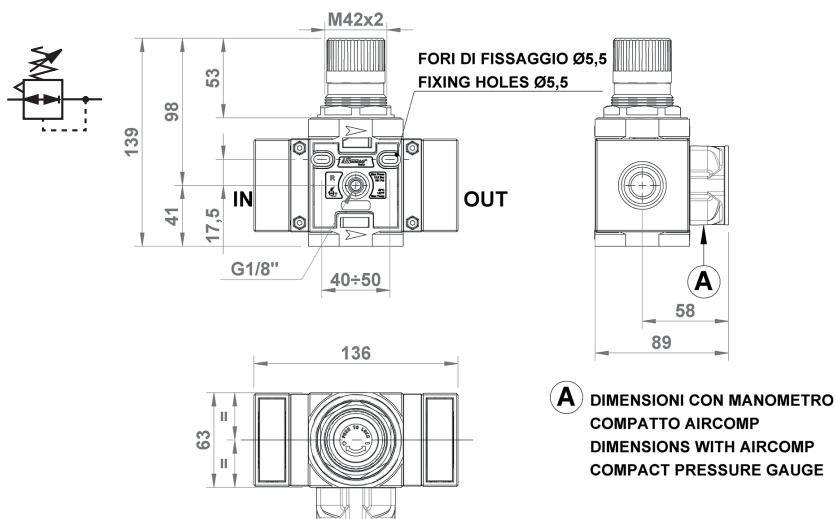
The end-cap kit Line 080 is equipped with a particular antirotation insert.

The insert joins the unit body to the end-cap avoiding the rotation of the components during the assembling of fittings.



PLEASE NOTE: if a unit without end-cap is to be added in a battery set, you will need an assembling kit.

LINE 080 3/4 | MODULAR REGULATORS



GENERAL FEATURES

Modular regulator with balanced valve which ensures big flow rate and low load loss.

Relieving for a quick exhaust of the downstream overpressure.

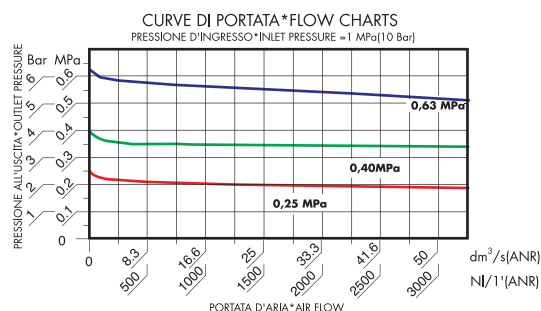
Knob with pressure locking device.

Equipped with nut and nr. plug.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	3/4"
Pressure range	0-4; 0-8; 0-12 Bar
Working pressure	0,5 - 12,5 Bar
Reference flow rate	(P1= 6,3 bar Δ P= 1bar) : 2.880 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/4" 80 Nm
Max torque round:	10 Nm
gauge port compact:	manual

Below 3°C the air of the circuit must be free from humidity



ORDERING CODE

CODE	REF.
080.01.00002	R 3/4" 080 04 R
080.01.00001	R 3/4" 080 08 R
080.01.00003	R 3/4" 080 12 R

Unit WITHOUT END-CAP, to be assembled in battery set. Replace the first digit of the part nr. with "C".

Example: C 800100001 - R 3/4" 080 08R without end-caps.

GUIDE TO REFERENCES

R 1/4" 042 08 R

Product
R = Regulator

Version
R = Relieving

Connection
1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Range of pressure
04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar

Line
042
050
052
075
080
095

AIR PREPARATION

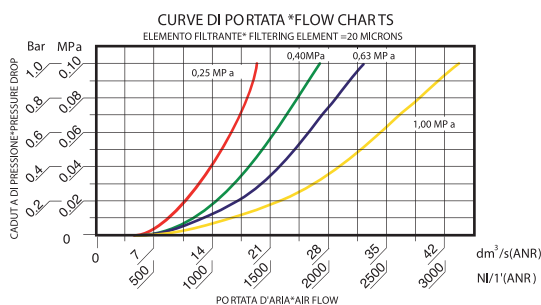
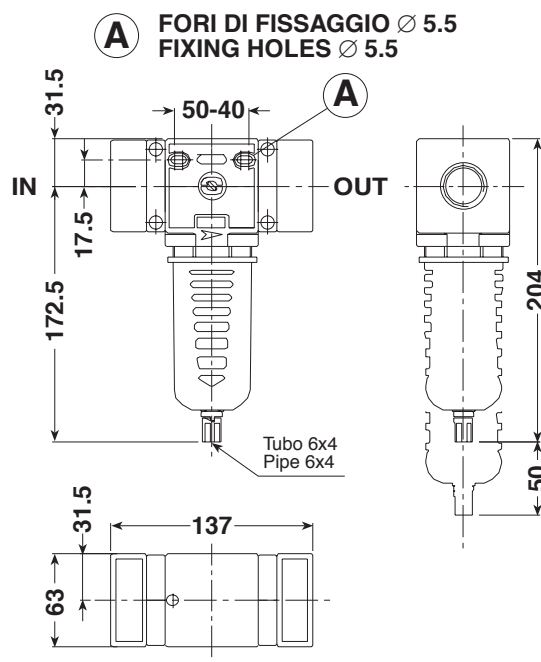
VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

LINE 080 3/4 | MODULAR FILTERS



GENERAL FEATURES

Modular filter delivering high degree of condensate separation and low load loss.

It can be wall mounted through the holes prearranged on the body. Equipped with semiautomatic condensate drain as standard (SS). Available options: float type automatic drain (SA) and differential (SAD), which can convey condensate to the outside even when the bowl is pressurized.

Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	G3/4"
Working pressure	0,5 - 12,5 Bar
Drain working pressure	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate (P1= 10 bar ΔP= 1 bar)	3.110 NL/min
Working temperature (a 10 bar)	-5 / +50°C*
Bowl capacity	100 cc
Max Torque IN-OUT	3/4" 80 Nm
Weight	0,675 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
080.02.00001	F 3/4" 080 20 PE SS
080.02.00002	F 3/4" 080 5 PE SS
Float type automatic drain version.	
080.02.00003	F 3/4" 080 20 PE SA
080.02.00004	F 3/4" 080 5 PE SA
"Differential" automatic drain version.	
080.02.00010	F 3/4" 080 20 PE SAD
080.02.00011	F 3/4" 080 5 PE SAD

Unit WITHOUT END-CAP, to be assembled in battery set. Replace the first digit of the part nr. with "C".

Example: C80 02 00001 F 3/4" 080 20 PESS without end-caps.

GUIDE TO REFERENCES

F 1/4" 042 20 PE SS

Product

F = Filter
MF = Microfilter
CF = Activated carbon

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

Condensate Drain

SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

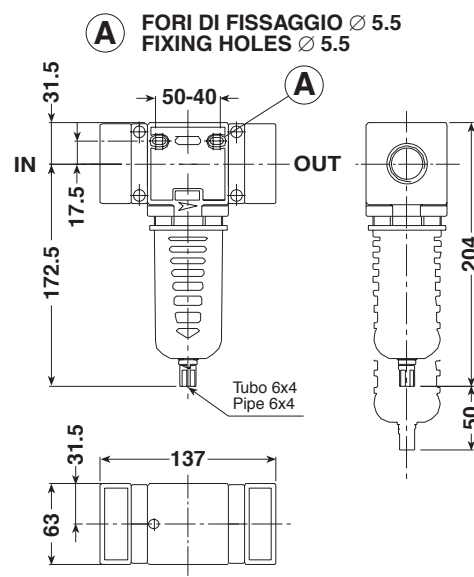
Bowl

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

Filtering element

5 = 5 micron
20 = 20 micron
0,01 = 0,01 micron
CA = Activated carbon

LINE 080 3/4 | COALESCING MICROFILTERS (OIL REMOVER)



GENERAL FEATURES

Modular filter with coalescing cartridge made from glass borosilicate fiber providing high filtering efficiency (99,97% on 0,01 micron particles).

It is recommended to install a 5 micron filter upstream in order to allow a longer life of the coalescing cartridge.

Application: it is suitable for removing oil remnants in pneumatic circuits.

It can be wall mounted through the holes prearranged on the body.

Equipped with semiautomatic condensate drain as standard (SS).

Bowl made from hardened polyamide with outer guard.

DATI TECNICI

INLET-OUTLET connections	3/4"
Working pressure	0,5 - 12,5 Bar
Filtering degree	0,01 micron
Recommended max flow rate (6,3 bar)	800 NI/min
Working temperature (a 10bar)	-5 / +50°C*
Max Torque IN OUT	3/4" 80 Nm
Weight	0,660 kg

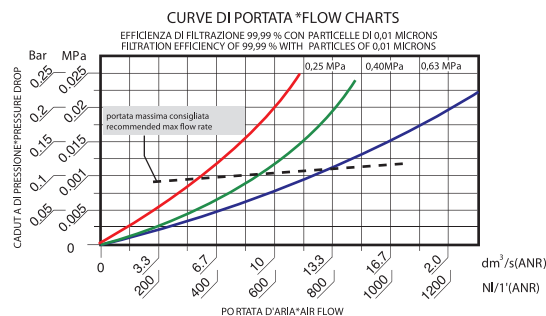
Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
080.02.00301	MF 3/4" 080 0,01 PE SS
Float type automatic drain version.	
080.02.00302	MF 3/4" 080 0,01 PE SA
"Differential" automatic drain version.	
080.02.00305	MF 3/4" 080 0,01 PE SAD

Unit WITHOUT END-CAP, to be assembled in battery set. Replace the first digit of the part nr. with "C".

Example: C 80.02.00301 MF 3/4 0800.01 PESS without end-caps.



GUIDE TO REFERENCES

F 1/4" 042 20 PE SS

Product

F = Filter
MF = Microfilter
CF = Activated carbon

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

Condensate Drain

SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

Bowl

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

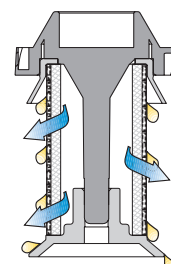
Filtering element

5 = 5 micron
20 = 20 micron
0,01 = 0,01 micron
CA = Activated carbon

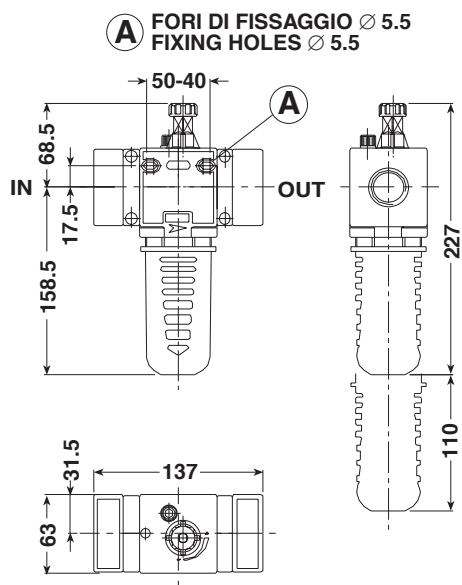
COALESCENT CARTRIDGE

FUNCTIONING

The air with impurity enter into the special high efficiency cartridge, which stops solid particles, captures and joins outside the oil particles (coalescing effect), so that they can easily fall to the bottom of the bowl and be drained outside. In doing so, the filtered air will be free from solid impurities and liquid particles.



LINE 080 3/4 | LUBRICATORS



GENERAL FEATURES

Proportional oil mist lubricator allowing a constant oil delivery over time.

Oil suction even under low flow rate with high sensitivity in the lubricant adjustment.

Oil filling plug.

It can be wall mounted through the holes prearranged on the body.

Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	3/4"
Maximum inlet pressure	12,5 Bar
Bowl capacity	140 cc
Viscosità dell'olio consigliata	ISO VG32
Reference flow rate	(P=10 bar P=1 bar): 3.550 NI/min
Working temperature (a 10bar)	-5 / +50°C*
Max Torque IN-OUT	3/4" 80 Nm
Weight	0,670 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
080.03.00001	L 3/4" 080 PE

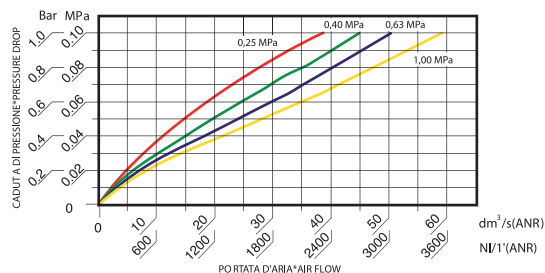
Unit WITHOUT END-CAP, to be assembled in battery set. Replace the first digit of the part nr. with "C".

Example: C 80 03 00001 L 3/4" 080 PE without end-caps.

MINIMUM OPERATING FLOW RATE

INLET PRESSURE			MINIMUM AIR FLOW RATE		
Psi	MPa	Bar	dm ³ /s (ANR)	NI/T' (ANR)	SCFM
36	0,25	2,50	0,25	15	0.5
58	0,40	4,00	0,30	18	0.63
91	0,63	6,30	0,38	23	0.8

CURVE DI PORTATA *FLOW CHARTS



GUIDE TO REFERENCES

L 1/4" 042 PE

Product

L = Lubricator

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

Version

= Standard
VL = Vacuum filling
IL = Min Level indicator
IM = Max/Min Level indicator (Line 095 only)

Bowl

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

LINE 080 3/4 | LUBRICATORS WITH LEVEL INDICATOR



GENERAL FEATURES

Lubricator equipped with float type level indicator, emitting an electric signal able to control light indicators or acoustic alarms upon reaching the minimum level.

Oil suction even under low flow rate with high sensitivity in the lubricant adjustment.

It can be wall mounted through the holes prearranged on the body.

Closed bowl made from hardened polyamide, with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	3/4"
Maximum inlet pressure	7 Bar
Maximum voltage	100 V AC
Electric contact	0,75 A 10W Protection IP 65
Bowl capacity	132 cc
Recommended oil viscosity.	ISO VG32
Reference flow rate	(P=6,3 bar P=1 bar): 3,020 NI/min
Working temperature (a 7 bar)	-5 / +50°C*
Max Torque IN-OUT	3/4" 80 Nm
Weight	0,685 Kg

Below 3°C the air of the circuit must be free from humidity

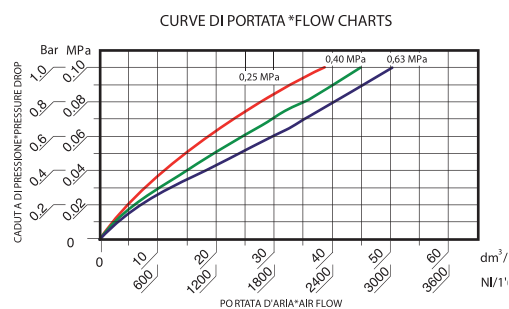
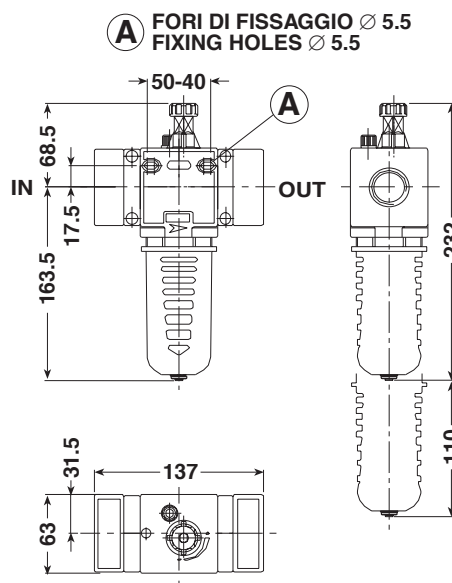
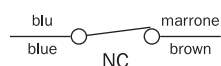
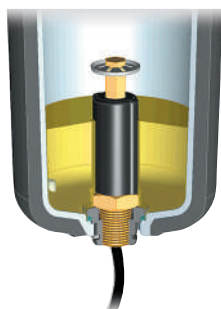
ORDERING CODE

CODE	REF.
080.03.00005	L 3/4" 080 PE IL

Unit WITHOUT END-CAP, to be assembled in battery set. Replace the first digit of the part nr. with "C".

Example: C 80.03.00005 L 3/4" 080 PE IL without end-caps.

Level indicator



GUIDE TO REFERENCES

L 1/4" 042 PE

Product

L = Lubricator

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

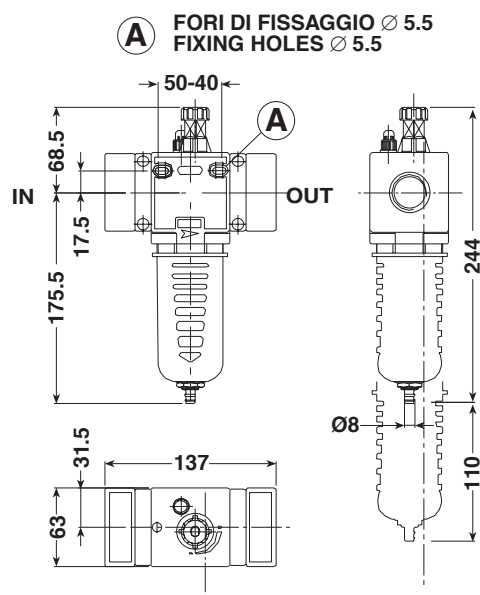
Version

= Standard
VL = Vacuum filling
IL = Min Level indicator
IM = Max/Min Level indicator (Line 095 only)

Bowl

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

LINE 080 3/4 | VL VACUUM FILLING LUBRICATORS



GENERAL FEATURES

Proportional oil mist lubricator with oil filling from an external tank without interrupting the operation of the system.

Oil suction even under low flow rate with high sensitivity in the lubricant adjustment.

It can be wall mounted through the holes prearranged on the body.

Closed bowl made from hardened polyamide, with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	3/4"
Working pressure	min. 4 Bar - max 12,5 Bar
Bowl capacity	140 cc
Recommended oil viscosity	ISO VG32
Reference flow rate (P=10 bar P=1 bar):	3.550 NI/min
Working temperature (a 10bar)	-5 / +50°C*
Max Torque IN-OUT	3/4" 80 Nm
Weight	0,695 Kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
080.03.00500	L 3/4" 080 PE VL

Unit WITHOUT END-CAP, to be assembled in battery set. Replace the first digit of the part nr. with "C".

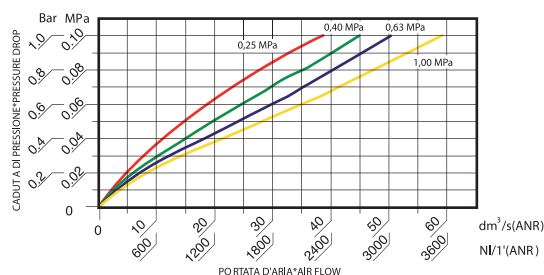
Example: C 80 03 00500 L 3/4" 080PE VL without end-caps.

MINIMUM OPERATING FLOW RATE

INLET PRESSURE			MINIMUM AIR FLOW RATE		
Psi	MPa	Bar	dm³/s (ANR)	NI/1' (ANR)	SCFM
36	0,25	2,50	0,25	15	0.5
58	0,40	4,00	0,30	18	0.63
91	0,63	6,30	0,38	23	0.8

A FORI DI FISSAGGIO Ø 5.5 FIXING HOLES Ø 5.5

CURVE DI PORTATA *FLOW CHARTS



GUIDE TO REFERENCES

L 1/4" 042 PE

Product

L = Lubricator

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

Version

= Standard
VL = Vacuum filling
IL = Min Level indicator
IM = Max/Min Level indicator (Line 095 only)

Bowl

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

FUNCTIONING VL

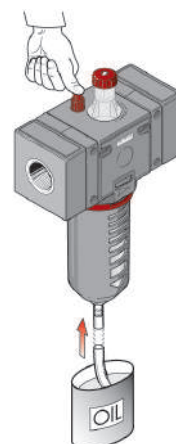
The oil filling is achieved by pressing and holding the button at the base of the lubricator body.

The "Venturi" system causes a vacuum inside the bowl and the related oil intake.

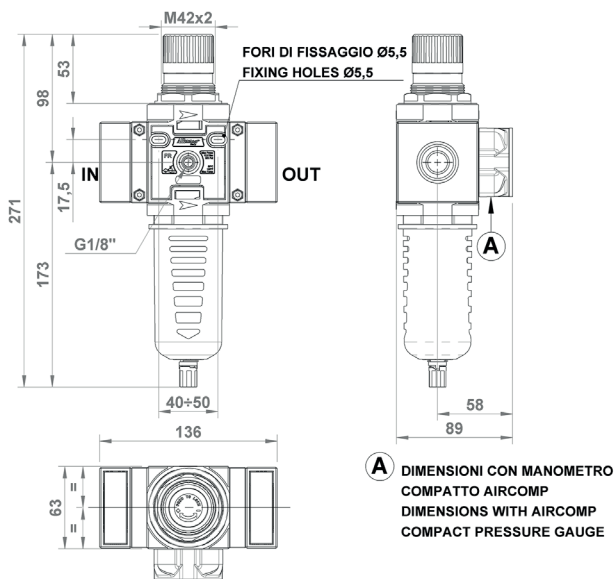
The oil filling is stopped only upon releasing the button.

The oil level is visually checked during the filling.

Max. suction height : 1,5 m.



LINE 080 3/4 | FILTER REGULATORS



GENERAL FEATURES

High performance modular filter regulator ensuring big flow rate and low load loss.
Relieving for a quick exhaust of downstream overpressure.
Knob with locking pressure device.
Equipped with semiautomatic condensate drain as standard (SS).
Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to the outside even when the bowl is pressurized.
Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	3/4"
Pressure range	0-4; 0-8; 0-12 Bar
Working pressure	0,5 - 12,5 Bar
Working pressure with automatic drain	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
Filtering degree:	5 micron; 20 micron
Reference flow rate	(P1= 6,3 bar P= 1bar) : 2.880 NI/min
Working temperature (a 10 bar)	-5 / +50°C
Max Torque IN-OUT	3/4" 80 Nm
Bowl capacity	100 cc
Weight	0,880 Kg

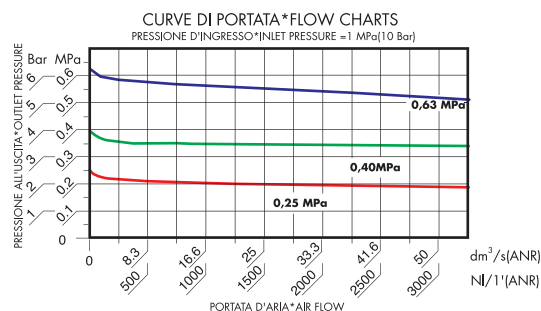
Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
080.04.00001	FR 3/4" 080 20 08 R PE SS
080.04.00003	FR 3/4" 080 20 12 R PE SS
080.04.00005	FR 3/4" 080 5 04 R PE SS
080.04.00004	FR 3/4" 080 5 08 R PE SS
080.04.00006	FR 3/4" 080 5 12 R PE S
Float type automatic drain version.	
080.04.00007	FR 3/4" 080 20 08 R PE SA
080.04.00009	FR 3/4" 080 20 12 R PE SA
"Differential" automatic drain version.	
080.04.00007	FR 3/4" 080 20 08 R PE SA
080.04.00009	FR 3/4" 080 20 12 R PE SA

Unit WITHOUT END-CAP, to be assembled in battery set. Replace the first digit of the part nr. with "C".

Example: C80 04 00001 FR 3/4" 080 20 08R PE SS without end-caps.



GUIDE TO REFERENCES

FR 1/4" 042 20 08 R PE SS

Product

FR = Filter regulator

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

Filtering element

5 = 5 micron
20 = 20 micron

Condensate Drain

SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

Bowl

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

Version

R = Relieving

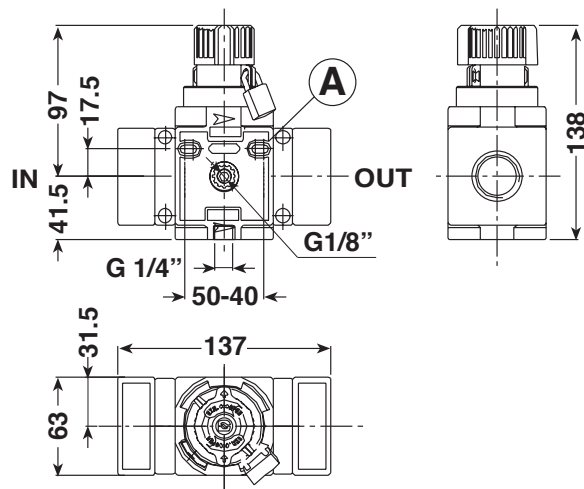
Range of pressure

04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar

LINE 080 3/4 | 3-WAY VALVES WITH LOCK



A FORI DI FISSAGGIO Ø 5.5
FIXING HOLES Ø 5.5



GENERAL FEATURES

The job of this 3-way on-off valve is to shut off air supply and exhaust the pressure in the downstream circuit.
Application: it can be used singularly or, more commonly, assembled in battery set. It is actuated for carrying out maintenance operations with total safety, thus avoiding the system from being accidentally pressurized.
The valve is equipped with nr. 1 lock and nr. 2 keys.

GENERAL TECHNICAL DATA

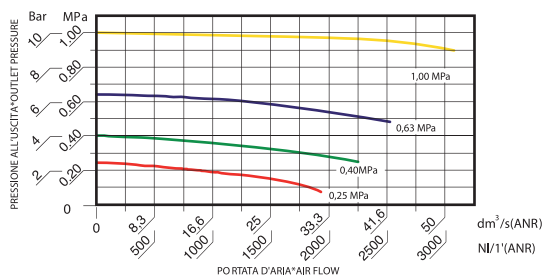
INLET-OUTLET connections	3/4"
Exhaust connection	1/4 " G
Maximum inlet pressure	12,5 Bar
Reference flow rate	(P1= 10 bar P= 1bar) : 3.075 NI/min
Exhaust flow rate (at 10 bar in open air)	1.850 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/4" 80 Nm
Weight	0,700 Kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
080.25.00001	V3 3/4" 080
C80.25.00001	Kit V3 3/4" 080 no end plates

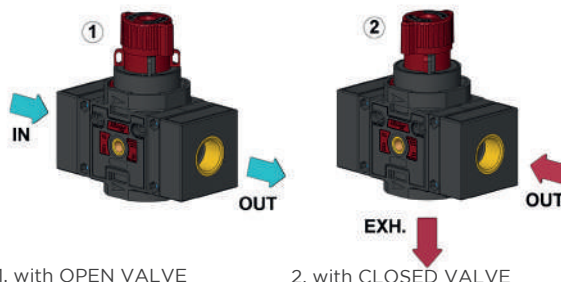
CURVE DI PORTATA *FLOW CHARTS



GUIDE TO REFERENCES

V 1/4" 042 3V

Product V = 3 way Valve	Functioning 3V = 3 Way
Connection 1/4" = G 1/4" 3/8" = G 3/8" 1/2" = G 1/2" 3/4" = G 3/4"	Line 042 050 052 075 080



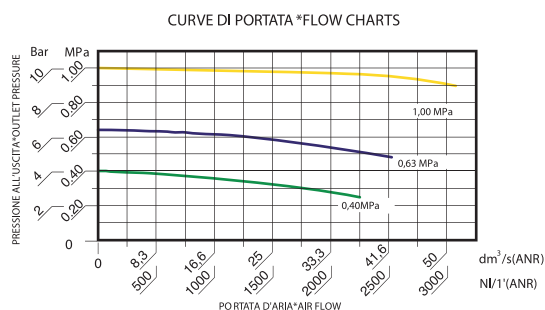
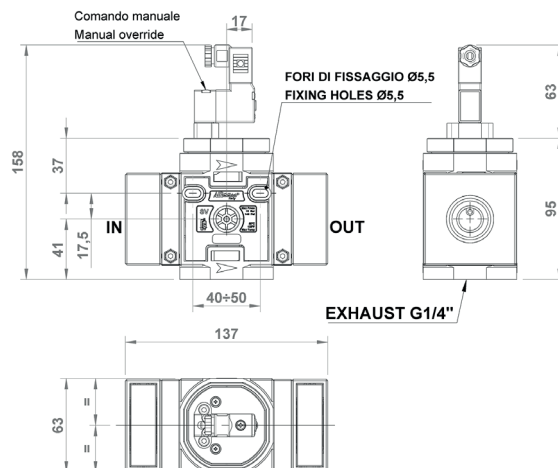
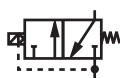
1. with OPEN VALVE

2. with CLOSED VALVE

IN and OUT are in communication for an open air flow

The inlet (IN) is closed while the outlet (OUT) is in communication with the exhaust.

LINE 080 3/4" | ELECTRICAL SHUT-OFF VALVES PILOT 15MM



GENERAL FEATURES

The job of the shut-off valve is to close the air supply and exhaust the pressure in the downstream circuit.

The electrical model is often connected to ON-OFF switches or emergency mushrooms on the control console.

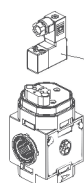
Application: it can be used singularly or, more commonly, assembled in battery set. It is actuated for carrying out maintenance operations or for depressurizing circuits in any emergency situation.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	3/4"
Exhaust connection	1/4" G
Maximum inlet pressure	10 Bar
Minimum working pressure	3 Bar
Reference flow rate (P1= 10 bar Δ P= 1 Bar) :	3.075 NI/min
Exhaust flow rate (at 10 bar in open air)	1.850 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/4" 80 Nm
Electric pilot	3/2 NC 15 mm (Microsol type)
Available voltage	24VDC (2,5W); 24VAC; 110VAC; 220VAC (3VA)
Weight	0,700 Kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE



CODE	REF.
C50.26.00002	KIT C. ELECTR. 3/2 NC 2,5W 24V DC MICROSOL
C50.26.00003	KIT C. ELECTR. 3/2 NC 3VA 24V AC MICROSOL
C50.26.00004	KIT C. ELECTR. 3/2 NC 3VA 110V AC MICROSOL
C50.26.00005	KIT C. ELECTR. 3/2 NC 3VA 220V AC MICROSOL
080.26.00002	SV 3/4" 080 PRED. C. ELECTR MICROSOL/ PNEUM

Unit WITHOUT END-CAP, to be assembled in battery set. Replace the first digit of the part nr. with "C".

Example: C 80 26 00002 SV 3/4" without end-caps.

GUIDE TO REFERENCES

SV 1/4" 042 15MM 24VDC

Product

SV = Shut-off valve

Connection

1/4" = G 1/4"

3/8" = G 3/8"

1/2" = G 1/2"

3/4" = G 3/4"

Line

042

050

052

075

080

Voltage

12 VDC

24 VDC

24 VAC

110 VAC

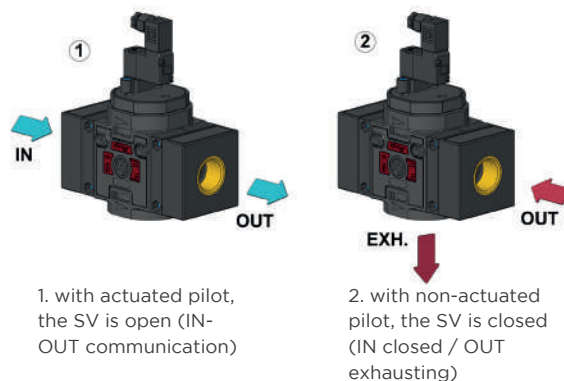
220 AC

Version

15MM = Solenoid pilot 15 mm

CNOM = Electric control-C-NOMO

PNEU = Pneumatic



AIR PREPARATION

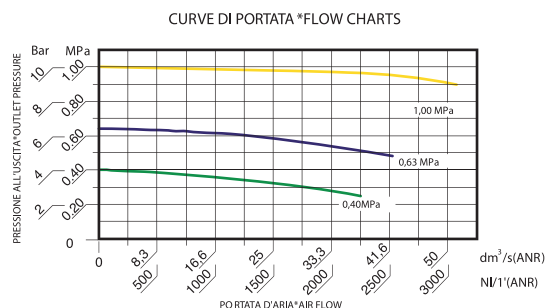
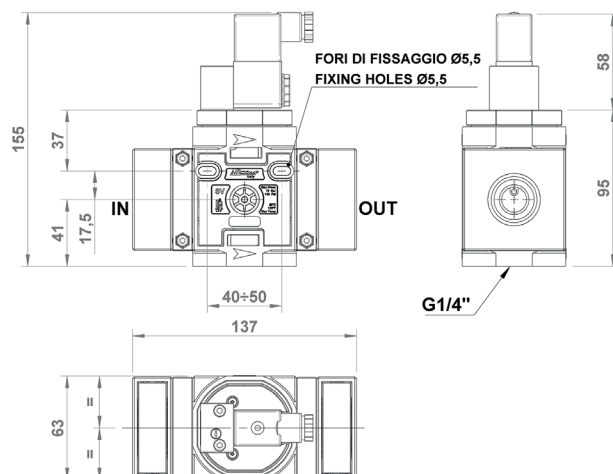
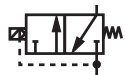
VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

LINE 080 3/4" | ELECTRICAL SHUT-OFF VALVES CNOMO



GENERAL FEATURES

The job of the shut-off valve is to close the air supply and exhaust the pressure in the downstream circuit. The electrical model is often connected to ON-OFF switches or emergency mushrooms on the control console. Application: it can be used singularly or, more commonly, assembled in battery set. It is actuated for carrying out maintenance operations or for depressurizing circuits in any emergency situation.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	3/4"
Exhaust connection	1/4" G
Maximum inlet pressure	10 Bar
Minimum working pressure	3 Bar
Reference flow rate (P1= 10 bar Δ P= 1 Bar) :	3.075 NI/min
Exhaust flow rate (at 10 bar in open air)	1.850 NI/min
Working temperature (a 10 bar)	-5 / +50°C *
Max Torque IN-OUT	3/4" 80 Nm
Electric pilot	3/2 NC (tipo CNOMO) for coil 22mm
Available voltage	24VDC (3W); 24VAC; 110VAC; 220VAC (5VA)
Weight	0,700 Kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
A50.26.00010	CONN. CNOMO
A50.26.00006	SOL. 3W 24V DC
A50.26.00007	SOL. 5VA 24V AC
A50.26.00008	SOL. 5VA 110V AC
A50.26.00009	SOL. 5VA 220V AC
C50.26.00006	C.ELECTR EV 3/2 NC CNOMO
080.26.00001	SV 3/4" 080 PRED. C. ELECTR. CNOMO

Unit WITHOUT END-CAP, to be assembled in battery set. Replace the first digit of the part nr. with "C".

Example: C 80 26 00001 SV 3/4" without end-caps.

GUIDE TO REFERENCES

SV 1/4" 042 15MM 24VDC

Product

SV = Shut-off valve

Connection

1/4" = G 1/4"

3/8" = G 3/8"

1/2" = G 1/2"

3/4" = G 3/4"

Voltage

12 VDC

24 VDC

24 VAC

110 VAC

220 AC

Version

15MM = Solenoid pilot 15 mm

CNOM = Electric controlC-NOMO

PNEU = Pneumatic

Line

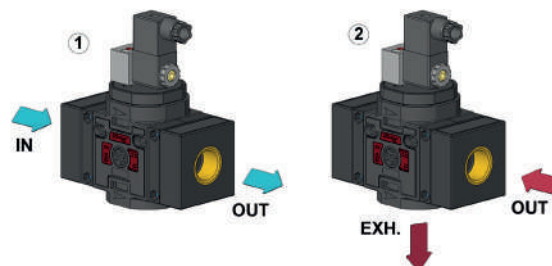
042

050

052

075

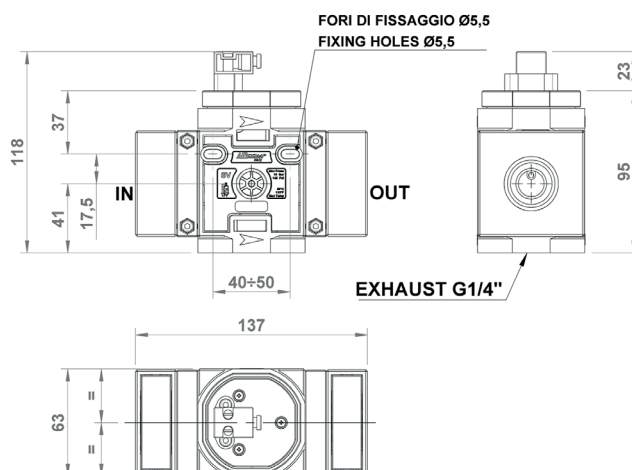
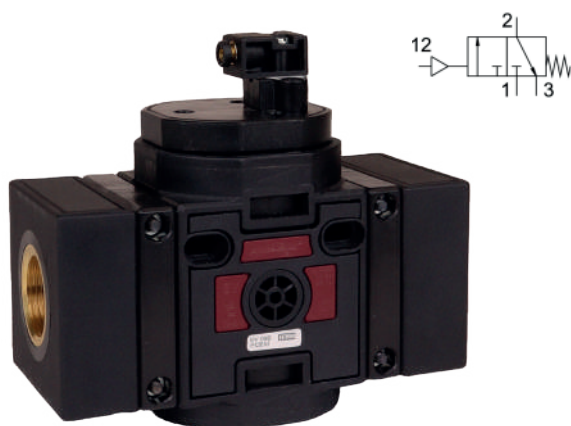
080



1. with actuated pilot, the SV is open (IN-OUT communication)

2. with non-actuated pilot, the SV is closed (IN closed / OUT exhausting)

LINE 080 3/4" | PNEUMATIC SHUT-OFF VALVES



GENERAL FEATURES

The job of the shut-off valve is to close the air supply and exhaust the pressure in the downstream circuit.

The pneumatic model is actuated through a pneumatic piloting operated by selectors or by mushroom actuators present on the control console.

Application: it can be used singularly or, more commonly, assembled in battery set. It is actuated for carrying out maintenance operations or for depressurizing the circuit in any emergency situation.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	3/4"
Exhaust connection	1/4" G
Maximum inlet pressure	10 Bar
Minimum working pressure	3 Bar
Reference flow rate	(P1= 10 bar Δ P= 1 Bar) : 3.075 NI/min
Exhaust flow rate (at 10 bar in open air)	1.850 NI/min
Working temperature (a 10 bar)	-5 / +50°C *
Max Torque IN-OUT	3/4" 80 Nm
Pneumatic connection	push-in fitting D. 4mm
Weight	0,700 Kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
C40.26.00014	KIT C. PNEUM.
080.26.00002	SV 3/4" 080 PRED. C. ELECTR. MICROSOL/ PNEUM



Unit WITHOUT END-CAP, to be assembled in battery set. Replace the first digit of the part nr. with "C".

Example: **C** 80.26.00002 SV 1/4" without end-caps.

GUIDE TO REFERENCES

SV 1/4" 042 15MM 24VDC

Product
SV = Shut-off valve

Connection
1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"

Line

042
050
052
075
080

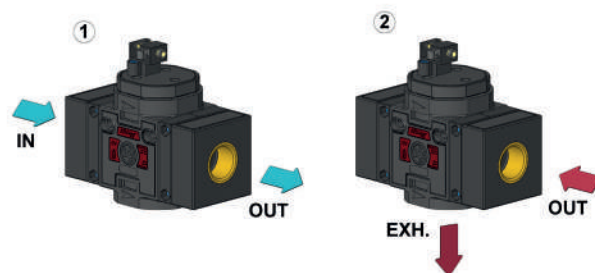
Voltage

12 VDC
24 VDC
24 VAC
110 VAC
220 AC

Version

15MM = Solenoid pilot 15 mm
CNOM = Electric controlC-NOMO
PNEU = Pneumatic

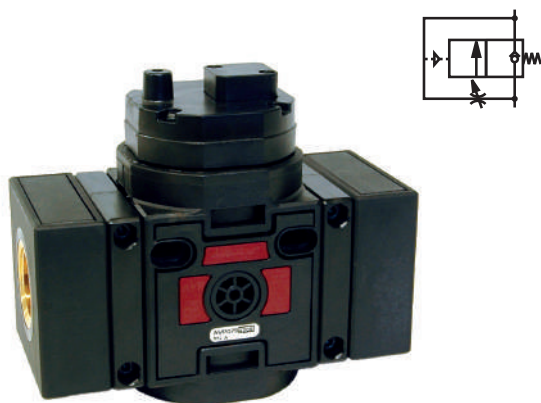
FUNCTIONING



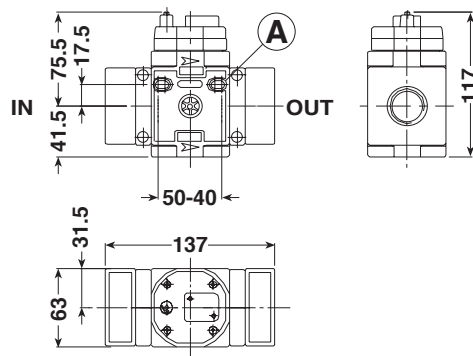
1) when the SV is pressurized, it is open (IN-OUT communication)

2) when the SV is depressurized, it is closed (IN closed / OUT exhausting)

LINE 080 3/4" | SLOW-START VALVES



A FORI DI FISSAGGIO Ø 5.5
FIXING HOLES Ø 5.5



GENERAL FEATURES

The job of the slow-start valve is to gradually pressurize the pneumatic system upon switching it on.

The gradual pressurization takes place until about 60% of the supply pressure is reached.

The pressurization time can be adjusted through the speed controller positioned in the upper part of the body.

Application: it can be singularly used, or, more commonly, assembled with the shut-off valve. The AVP avoids any dangerous pressure surge, that may be caused by quickly supplying the system to the working pressure.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	G3/4"
Working pressure	min. 3 Bar - max 10 Bar
Reference flow rate (P1= 10 bar ΔP= 1 bar)	3.075 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/4" 80 Nm
Weight	0,715 kg

Below 3°C the air of the circuit must be free from humidity

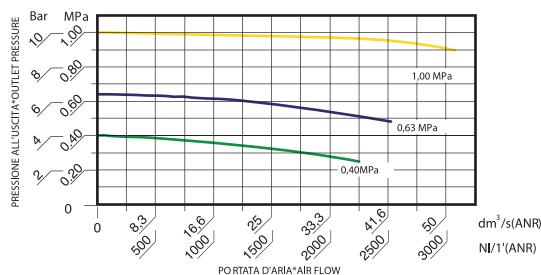
ORDERING CODE

CODE	REF.
080.27.00001	AVP 3/4" 080 PN Autonom.

Unit WITHOUT END-CAP, to be assembled in battery set. Replace the first digit of the part nr. with "C".

Example: C 80 27 00001 AVP 3/4" without end-caps.

CURVE DI PORTATA *FLOW CHARTS



GUIDE TO REFERENCES

AVP 1/4" 042 PN

Product

AVP = Slow-start valve

Functioning

PN = Pneumatic

Connection

1/4" = G 1/4"

3/8" = G 3/8"

1/2" = G 1/2"

3/4" = G 3/4"

Line

042

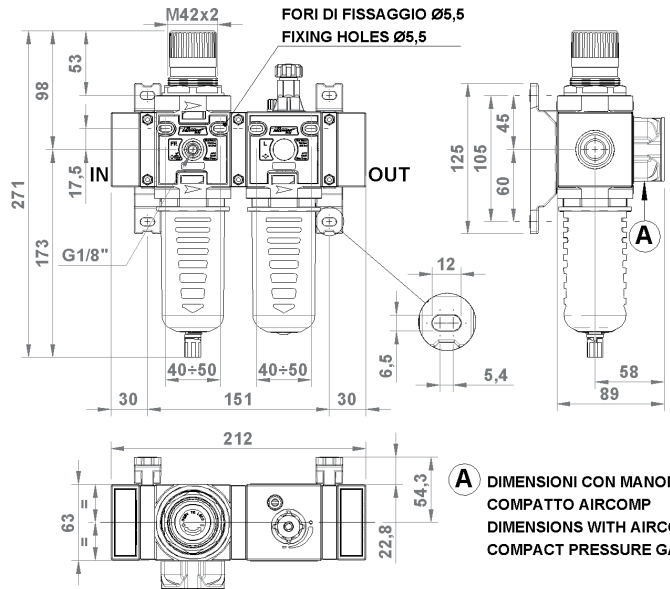
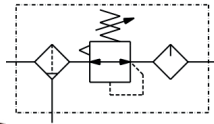
050

052

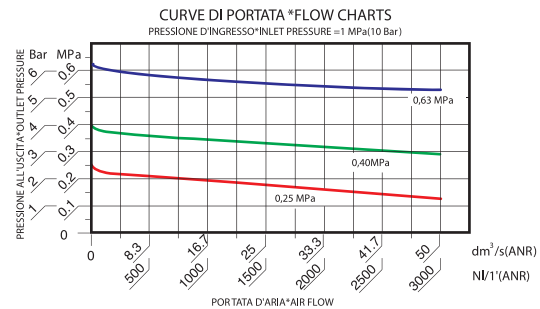
075

080

LINE 080 3/4" | FR+L UNITS



A DIMENSIONI CON MANOMETRO COMPATTO AIRCOMP
DIMENSIONS WITH AIRCOMP COMPACT PRESSURE GAUGE



GENERAL FEATURES

Unit consisting of Filter regulator and Lubricator.
It combines the functions of filtering, pressure regulation and lubrication of compressed air for industrial application.
Unit featuring big flow rate and regulation sensitivity, filtration and high condensate separation.
Semiautomatic condensate drain supplied as standard (SS).
Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to the outside even when the bowl is pressurized.
Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	3/4"
Pressure range	0-4; 0-8; 0-12 Bar
Working pressure	0,5 - 12,5 Bar
Working pressure with automatic drain	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
Filtering degree:	5 micron; 20 micron
Reference flow rate (P1= 6,3 bar P= 1bar) :2.200 NL/min	
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/4" 80 Nm
Max torque gauge port	10 Nm
Weight	1,28 Kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
080.06.00001	FR+L 3/4" 080 20 08 R PE SS
080.06.00003	FR+L 3/4" 080 20 12 R PE SS
080.06.00005	FR+L 3/4" 080 5 04 R PE SS
080.06.00004	FR+L 3/4" 080 5 08 R PE SS
080.06.00006	FR+L 3/4" 080 5 12 R PE SS
080.06.00501	FR+L 3/4" 080 20 08 R PE SS VL
080.06.00505	FR+L 3/4" 080 20 12 R PE SS VL
Float type automatic drain version.	
080.06.00007	FR+L 3/4" 080 20 08 R PE SA
080.06.00009	FR+L 3/4" 080 20 12 R PE SA
"Differential" automatic drain version.	
080.06.00028	FR+L 3/4" 080 20 08 R PE SAD
080.06.00029	FR+L 3/4" 080 20 12 R PE SAD

GUIDE TO REFERENCES

FR+L 1/4" 042 20 08 R PE SS

Product

FR+L = Filter regulator + Lubricator

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

Filtering element

5 = 5 micron
20 = 20 micron

Condensate Drain

SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

Bowl

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

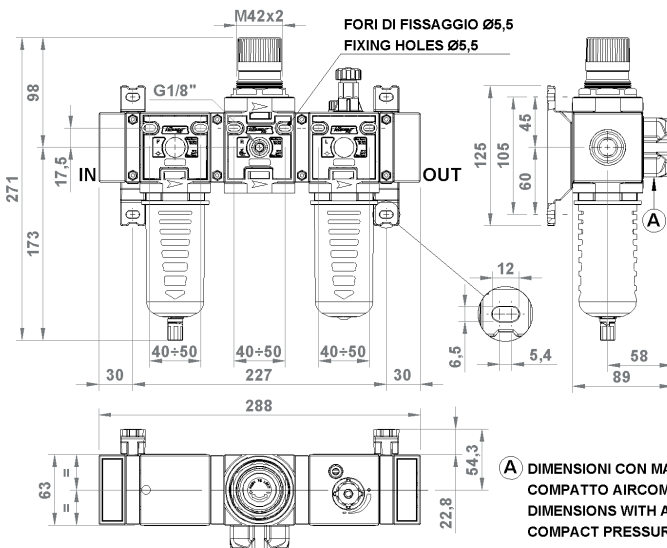
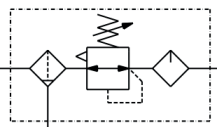
Version

R = Relieving

Range of pressure

04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar

LINE 080 3/4" | F+R+L UNITS



A DIMENSIONI CON MANOMETRO COMPATTO AIRCOMP
DIMENSIONS WITH AIRCOMP COMPACT PRESSURE GAUGE

GENERAL FEATURES

Unit consisting of Filter + Regulator + Lubricator.
It combines the functions of filtering, pressure regulation and lubrication of compressed air for industrial application.
Unit featuring big flow rate and regulation sensitivity, filtration and high condensate separation.
Semiautomatic condensate drain supplied as standard (SS).
Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to the outside even when the bowl is pressurized.
Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

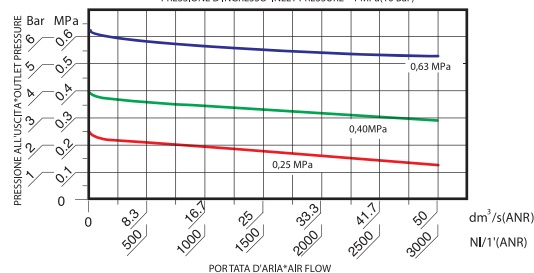
INLET-OUTLET connections	3/4"
Pressure range	0-4; 0-8; 0-12 Bar
Working pressure	0,5 - 12,5 Bar
Working pressure with automatic drain	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
Filtering degree:	5 micron; 20 micron
Reference flow rate	(P1= 6,3 bar P= 1bar) : 2.200 NI/min
Working temperature (a 10 bar)	: -5 / +50°C*
Max Torque IN-OUT	3/4" 80 Nm
Max torque gauge port	10 Nm
Weight	1,57 Kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
080.05.00001	F+R+L 3/4" 080 20 08 R PE SS
080.05.00003	F+R+L 3/4" 080 20 12 R PE SS
080.05.00005	F+R+L 3/4" 080 5 04 R PE SS
080.05.00004	F+R+L 3/4" 080 5 08 R PE SS
080.05.00006	F+R+L 3/4" 080 5 12 R PE SS
080.05.00501	F+R+L 3/4" 080 20 08 R PE SS VL
080.05.00505	F+R+L 3/4" 080 20 12 R PE SS VL
Float type automatic drain version.	
080.08.00007	F+R+L 3/4" 080 20 08 R PE SA
080.05.00009	F+R+L 3/4" 080 20 12 R PE SA
"Differential" automatic drain version.	
080.05.00026	F+R+L 3/4" 080 20 08 R PE SAD
080.05.00027	F+R+L 3/4" 080 20 12 R PE SAD

CURVE DI PORTATA *FLOW CHARTS
PRESSIONE D'INGRESSO*INLET PRESSURE = 1 MPa(10 Bar)



GUIDE TO REFERENCES

F+R+L 1/4" 042 20 08 R PE SS

Product

Filter +
F+R+L = Regulator +
Lubricator

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

Filtering element

5 = 5 micron
20 = 20 micron

Condensate Drain

SS = Semiautomatic
(standard)
SA = Automatic float
type
SAD = Automatic
differential
S18 = Open seat 1/8 F

Bowl

TT = Transparent (Line
042 only)
TC = Short transparent
(Line 042 only)
PE = With outer guard

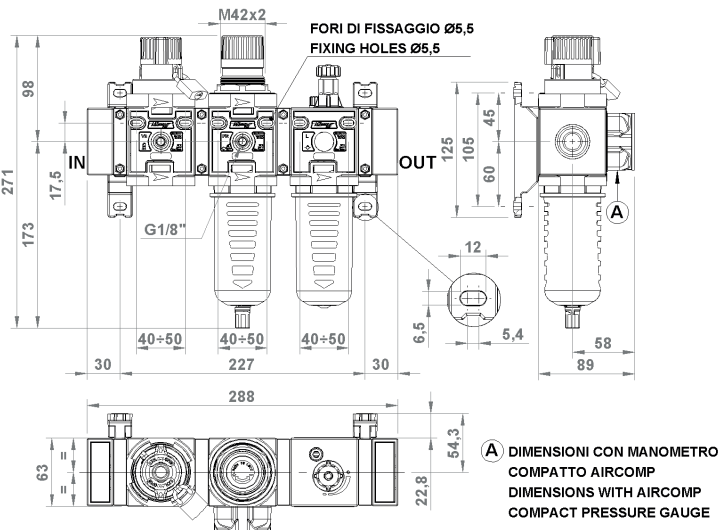
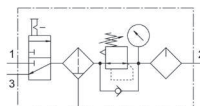
Version

R = Relieving

Range of pressure

04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar

LINE 080 3/4 | V3+FR+L UNITS



GENERAL FEATURES

Unit consisting of 3-way Valve (V3) + Filter regulator (FR) + Lubricator (L).

It combines the function of shutting-off the system along with the filtration, pressure regulation and lubrication of compressed air for industrial applications.

Lockable V3 valve for greater safety during maintenance operations.

It is equipped with semiautomatic drain as standard (SS).

Available options: float type automatic drain (SA) and differential (SAD), which can discharge to the outside the condensate even when the bowl is pressurized.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	3/4"
Pressure range	0-4; 0-8; 0-12 Bar
Working pressure	0,5 - 12,5 Bar
Working pressure with automatic drain	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate	(P1= 6,3 bar P= 1bar) :2.200 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/4" 80 Nm
Max torque gauge port	10 Nm
Weight	2,00 kg

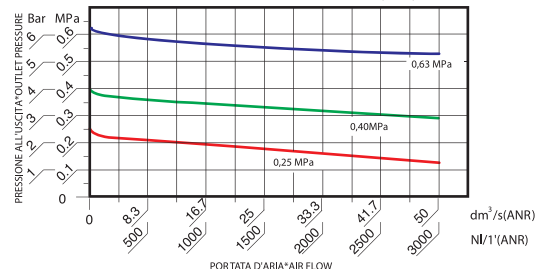
Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
080.36.00001	V3+FR+L 3/4" 080 20 08 R PE SS
080.36.00003	V3+FR+L 3/4" 080 20 12 R PE SS
080.36.00005	V3+FR+L 3/4" 080 5 04 R PE SS
080.36.00004	V3+FR+L 3/4" 080 5 08 R PE SS
080.36.00006	V3+FR+L 3/4" 080 5 12 R PE SS
080.36.00501	V3+FR+L 3/4" 080 20 08 R PE SS VL
080.36.00505	V3+FR+L 3/4" 080 20 12 R PE SS VL
Float type automatic drain version.	
080.36.00007	V3+FR+L 3/4" 080 20 08 R PE SA
080.36.00009	V3+FR+L 3/4" 080 20 12 R PE SA
"Differential" automatic drain version.	
080.36.00013	V3+FR+L 3/4" 080 20 08 R PE SAD
080.36.00014	V3+FR+L 3/4" 080 20 12 R PE SAD

CURVE DI PORTATA *FLOW CHARTS

PRESSIONE D'INGRESSO*INLET PRESSURE =1 MPa(10 Bar)



GUIDE TO REFERENCES

V3+FR+L 1/4" 042 20 08 R PE SS

Product

V3+FR+L = V3 + Filter regulator + Lubricator

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

Filtering element

5 = 5 micron
20 = 20 micron

Condensate Drain

SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

Bowl

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

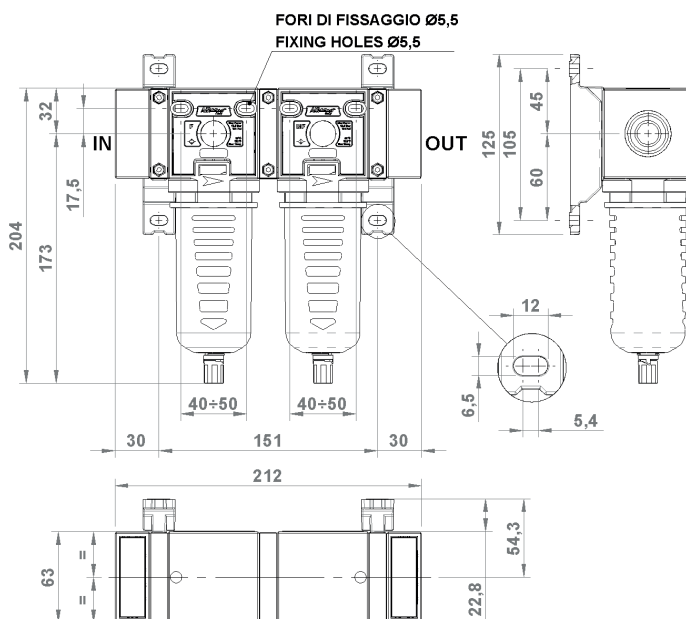
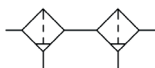
Version

R = Relieving

Range of pressure

04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar

LINE 080 3/4 | F + MF UNITS



GENERAL FEATURES

Filtration set combining Filter with high condensate separation and coalescing Microfilter.

The job of the unit is to filter solid particles and separate condensate with the Filter in combination with the coalescing function of the Microfilter.

It is equipped with semiautomatic drain as standard (SS).

Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to the outside even when the bowl is pressurized.

Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	G3/4"
Working pressure	0,5 - 12,5 Bar
Drain working pressure	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
Filtering degree Filter	5 micron
Filtering degree Microfilter	0,01 micron
Recommended max flow rate (P1= 10 bar ΔP= 1 bar)	800 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/4" 80 Nm
Weight	1,070 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
080.09.00001	F 3/4" 080 5 PE SS+MF 3/4" 080 0,01 PE SS
Float type automatic drain version.	
080.09.00002	F 3/4" 080 5 PE SS+MF 3/4" 080 0,01 PE SA
"Differential" automatic drain version.	
080.09.00003	F 3/4" 080 5 PE SS+MF 3/4" 080 0,01 PE SAD

GUIDE TO REFERENCES

F + MF 1/4" 042 5 PE SS

Product

F + MF = Filter + Microfilter

Connection

1/4" = G 1/4"

3/8" = G 3/8"

1/2" = G 1/2"

3/4" = G 3/4"

Line

042

050

052

075

080

Condensate Drain

SS = Semiautomatic (standard)

SA = Automatic float type

SAD = Automatic differential

S18 = Open seat 1/8 F

Bowl

TT = Transparent (Line 042 only)

TC = Short transparent (Line 042 only)

PE = With outer guard

Filtering element

5 = 5 micron

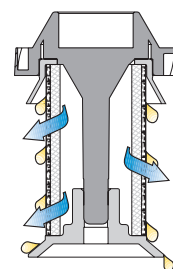
20 = 20 micron

0,01 = 0,01 micron

COALESCENT CARTRIDGE

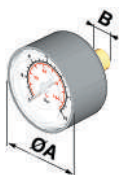
FUNCTIONING

The air with impurity enter into the special cartridge with high efficiency, that stop solid particles, capture and join outside particles of oil and condensate (coalescent effect). In this way, they easily fall down at the bottom of the bowl, where condensate is discharged. Filtered air obtained is without solid and liquid parts.



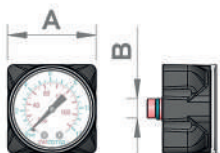
LINE 080 3/4 | ACCESSORIES

GAUGE



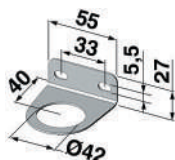
CODE	Bar	Psi	A	B	CH.
A75.01.00010	0-12	0-175	50	G1/8"	14
A75.01.00011	0-6	0-85	50	G1/8"	14

COMPACT GAUGE



CODE	Bar	Psi	A	B
A750100045	0-12	0-175	50	G1/8"

BRACKET



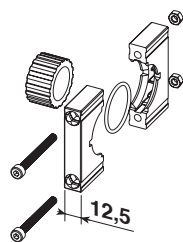
CODE
C75.01.00018

"T" BRACKET KIT LINE 075 - 080



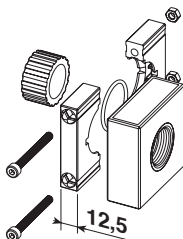
CODE
C75.06.00011

KIT ASSEMBLING UNITS



CODE	PROD.
C80.05.00004	F+R+L
C80.06.00004	FR+L - F+L

INLET-OUTLET KIT



CODE	CONNECTION	VERSION
C80.05.00002	3/4"	INPUT
C80.05.00003	3/4"	OUTPUT

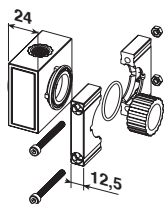
PLUG G1/8"



CODE	PROD.
B38.00.00018	MR - MR P

LINE 080 3/4 | ACCESSORIES

AIR TAKEOFF



CODE	CONNECTION	PROD.
C80.06.00005	1/4"	tutti / all

PRESSURE SWITCH



CODE	REF.
A50.06.00005	AP1-3-02-03-G

AUTOMATIC DRAIN



CODE	PROD.
C40.02.00130 SA	F - FR - MF
C42.02.00012 SAD	F - FR - MF

MOUNTING KIT FOR AUTOMATIC DRAIN



CODE	PROD.
C40.02.00131	SA - SAD

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

LINE 080 3/4 | SPARE PARTS

DIAPHRAGM KIT



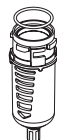
CODE	PRODUCT	VERSION
C75.01.00023	R - FR	RELIEVING

REGULATION SPRING



CODE	PRODUCT	SET REGULATION
A75.01.00030	R - FR	0÷4 Bar
A75.01.00031	R - FR	0÷8 Bar
A75.01.00032	R - FR	0÷12 Bar

BOWL FOR FILTER



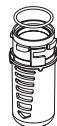
CODE	PRODUCT	VERSION
C75.02.00022	F - FR - MF	PE SS

BOWL WITH AUTOMATIC DRAIN



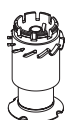
CODE	PRODUCT	VERSION
C75.02.00026	F - FR - MF	PE SA
C75.02.00103	F - FR - MF	PE SAD

BOWL FOR LUBRICATOR



CODE	PRODUCT	VERSION
C75.03.00022	IL	PE
C75.13.01000	VL	PE
C75.03.00075	IL	PE

FILTERING ELEMENT



CODE	PRODUCT	VERSION
C75.02.00059	F	20 MICRON
C75.02.00064	FR	20 MICRON
C75.02.00063	F	5 MICRON
C75.02.00065	FR	5 MICRON
C75.02.00061	MF	0,1 MICRON

OIL WINDOW



CODE	PRODUCT
C75.03.00018	L

OIL PLUG WITH OR 2031



CODE	PRODUCT
C75.03.00073	L

LINE 095 1" | MODULAR UNITS

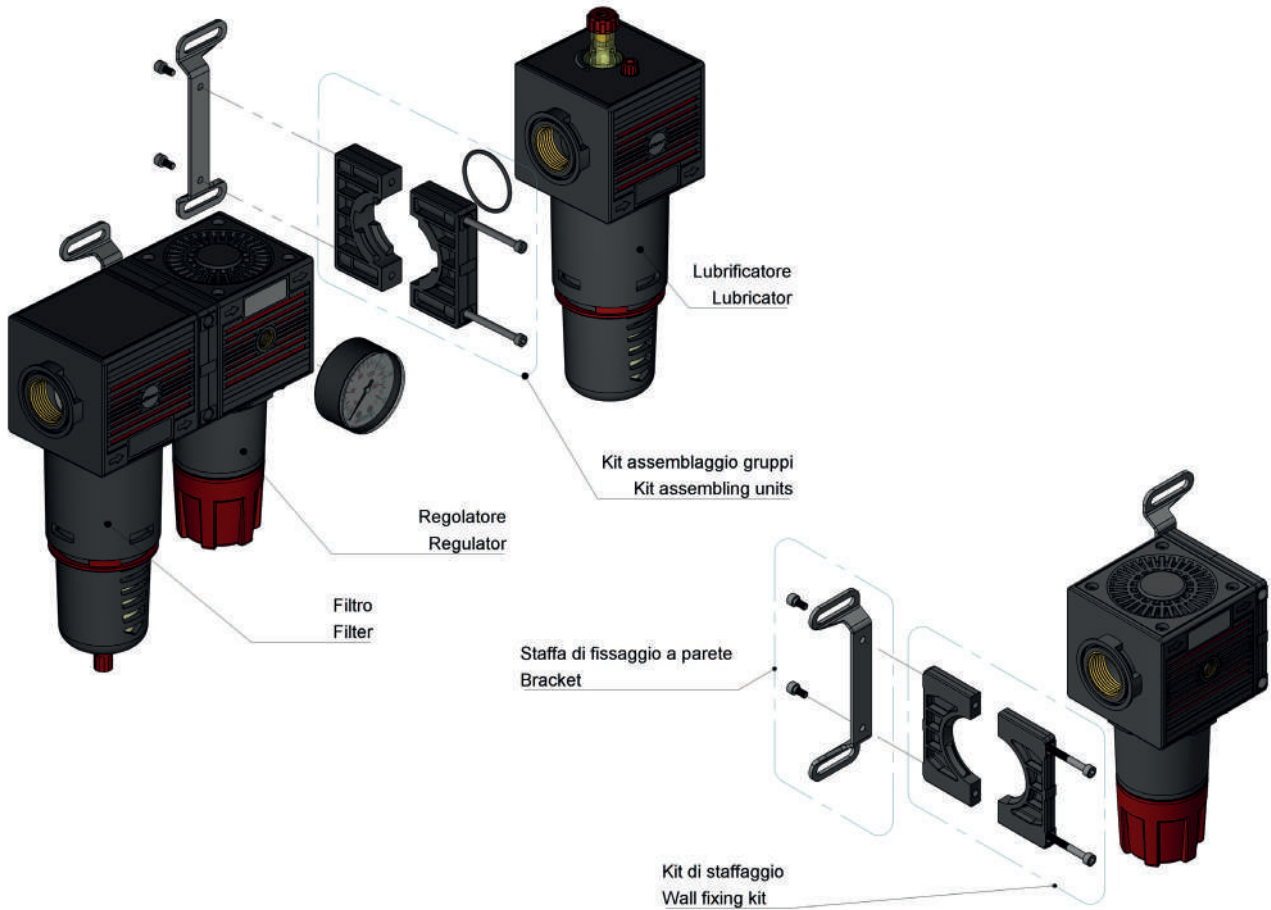


GENERAL FEATURES

Units Line 095 - 1" have been designed for delivering big flow rate with low load loss.
The modular concept allows obtaining a particular compactness also for these units featuring high performance.
The available modules for this Line are:
Filter
Regulator
Filter Regulator
Lubricator
FR+L
F+R+L
F+L

GENERAL TECHNICAL DATA

Fluid	compressed air
Working temperature (a 10 bar):	-5 / +50°C*
Connections IN-OUT	1" G
Assembling type	Assembling kit
Mounting position	see singol components
Wall fixing	through wall fixing kit



AIR PREPARATION
VALVES
CYLINDERS
FITTINGS
WATER PREPARATION

LINE 095 1" | MODULAR UNITS

CONDENSATE DRAIN

The condensate building up within the pneumatic systems is often causing malfunctioning and expensive extraordinary maintenance. Therefore, it is of utmost importance providing a good separation operated by the filter and an effective drainage to the outside, in order to avoid an excessive piling up. Aircomp offers the opportunity to equip the filters with different types of condensate drain according to the system requirements.

SEMI-AUTOMATIC DRAIN (SS)



Semiautomatic drain is supplied as standard on all Aircomp Lines.

The standard drain closes when the bowl is pressurized (min. P 0,5 bar) and opens discharging the condensate whenever the unit is depressurized.

The drain can be manually set to always "closed" modality (closed both when the bowl is pressurized and depressurized).

FLOAT TYPE AUTOMATIC DRAIN (SA)



Float type automatic drain opens even when the bowl is pressurized upon reaching a set condensate level. The excess condensate is discharged to the outside and can be conveyed connecting a drainage hose to the duct.

DIFFERENTIAL AUTOMATIC DRAIN (SAD)



Differential automatic drain opens even when the bowl is pressurized but only when there is air consumption (min. delta P = 92 bar) and upon reaching a set condensate level. The excess condensate is discharged to the outside. It is possible to connect a drainage hose to the duct.

OPEN 1/8 CONNECTION (S18)



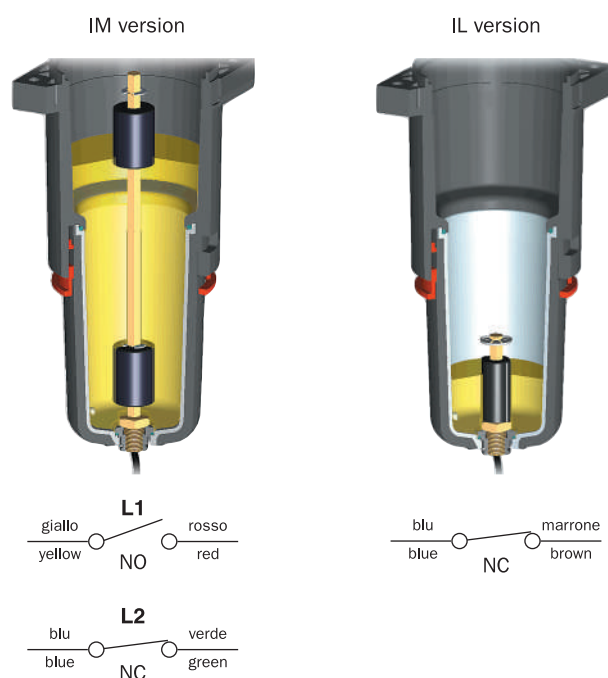
The seat with female thread 1/8", available upon request, allows the connection to alternative remote open/close systems, such as exhaust solenoid valves. It is available also with locking pin with "manual drain" function.

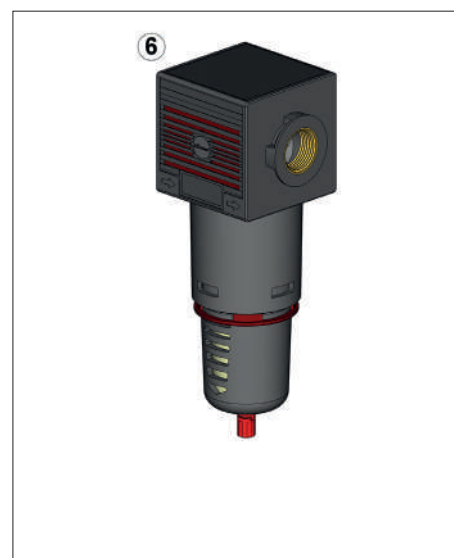
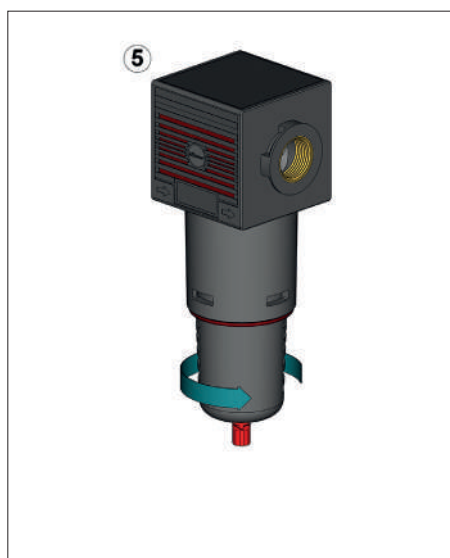
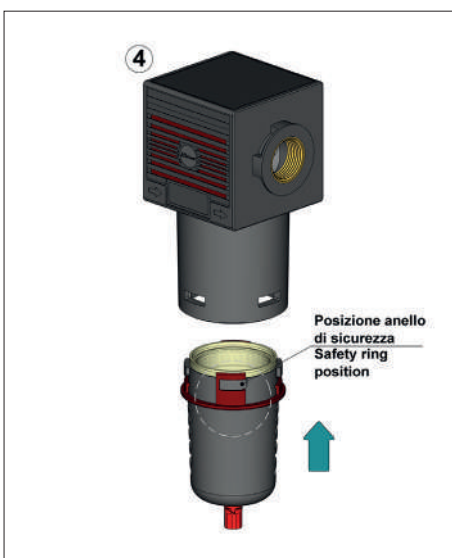
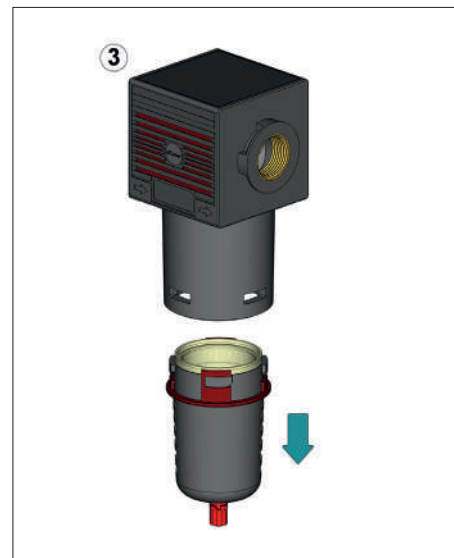
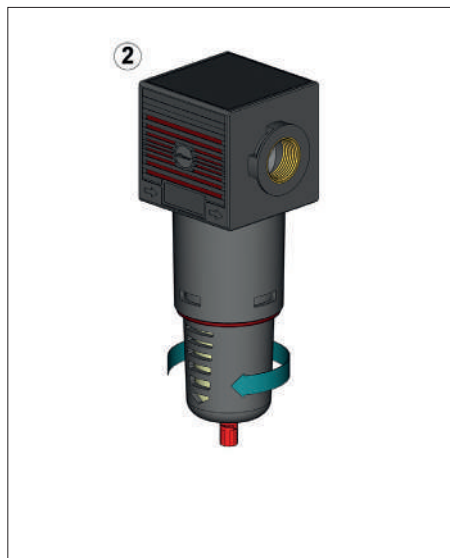
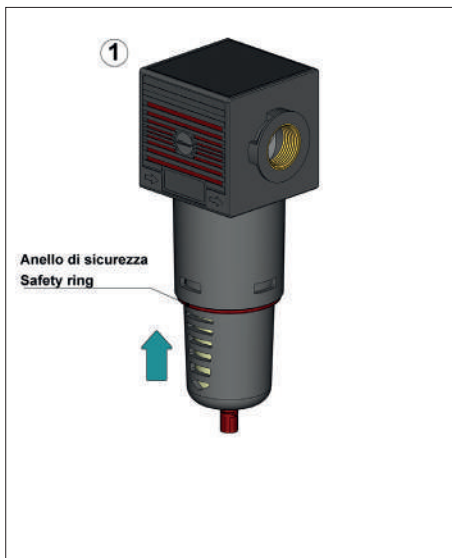
LEVEL INDICATOR IN THE LUBRICATOR

The Lubricator can be purchased also in the version with level indicator. The IL version indicates the reaching of the minimum level for being able to carry out the filling operation through the plug on the filter body. The IM version instead indicates the minimum and the maximum level. This allows having a signal both when the lubricant is used up and when the maximum level during the filling phase is reached.

For further information, please see the datasheet of the Lubricator with level indicator.

LEVEL INDICATOR





BOWL SAFETY RING

Bowls of Line 050, 052, 075, 080 and 095 are designed for a clip-on mounting, which enables the quick assembling and disassembling. All the bowl are equipped with a particular safety ring in order to prevent the accidental disassembly when the unit is pressurized.

For disassembling the bowl, it is actually necessary carrying out three movements in a sequence:

1. Lifting the safety ring Pic. 1
2. Turning the bowl clockwise Pic. 2
3. Lowering the bowl Pic. 3

It is not possible to disassemble the bowl when the safety ring is lowered.

Movements 1. and 2., to be executed in a sequence, increase the operator's attention on the intervention he is carrying out.

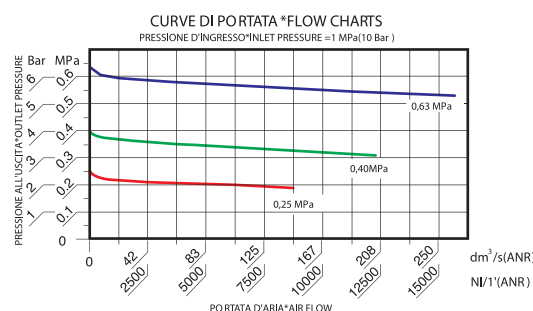
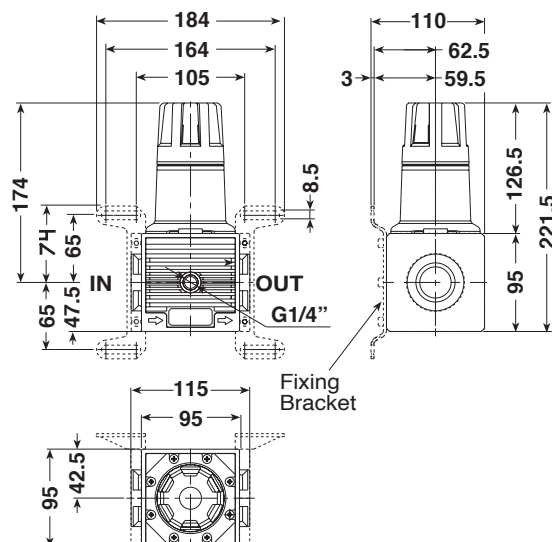
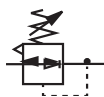


Attention: the disassembling of the bowl must always be executed when the unit is depressurized.

The bowl reassembling can be easily executed following these steps:

4. Check that the safety ring is in its correct position (on the clamping tooth) as in Pic. 4
5. Fit the bowl into the body seat and lock it turning anticlockwise Pic. 5
6. Make sure that the safety ring is brought back to the correct position Pic. 6

LINE 095 1" | MODULAR REGULATORS



GENERAL FEATURES

Modular Regulator with balanced valve ensuring high performance and low load loss.

Relieving for a quick exhaust of the downstream overpressure.

Knob with locking pressure device.

Equipped with nr. 1 plug.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	1"
Pressure range	0-4; 0-8; 0-12 Bar
Working pressure	0,5 - 12,5 Bar
Reference flow rate (P1= 6,3 bar P= 1bar)	15.000 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1" 80 Nm
Max torque gauge port	10 Nm
Weight:	1,721 Kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
095.01.00002	R 1" 095 04 R
095.01.00001	R 1" 095 08 R
095.01.00003	R 1" 095 012 R

GUIDE TO REFERENCES

R 1/4" 042 08 R

Product

R = Regulator

Version

R = Relieving

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Range of pressure

04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar

Line

042
050
052
075
080
095

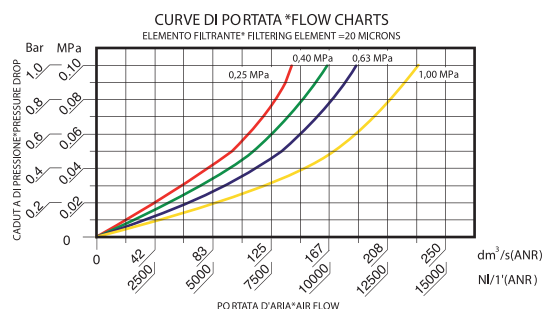
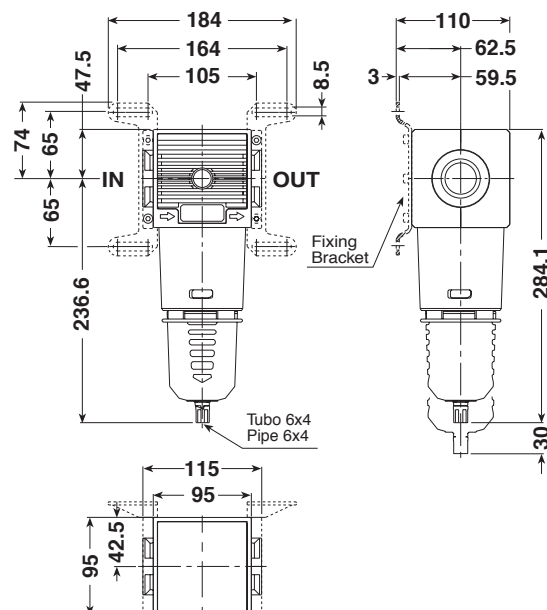


WOULD YOU LIKE TO ORDER
THE REGULATOR COMPLETE WITH GAUGE?

Replace O with "M" the 6th digit of the part nr. for example:

095.01.00002 R 1" 095 04 R + GAUGE

LINE 095 1" | MODULAR FILTERS



GENERAL FEATURES

Modular filter delivering high degree of condensate separation and low load loss.

It can be wall mounted through the relevant wall fixing kit.

Equipped with semiautomatic condensate drain as standard (SS).

Available options: float type automatic drain (SA) and differential (SAD), which can convey condensate to the outside even when the bowl is pressurized.

Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	1"
Working pressure	0,5 - 12,5 Bar
Working pressure with automatic drain	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate	(P1= 10 bar P= 1bar) : 13.800 NL/min
Working temperature (a 10 bar)	-5 / +50°C*
Bowl capacity	200 cc
Max Torque IN-OUT	1" 80 Nm
Weight	1,212 Kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
095.02.00001	F 1" 095 20 PE SS
095.02.00002	F 1" 095 5 PE SS
Float type automatic drain version.	
095.02.00003	F 1" 095 20 PE SA
095.02.00004	F 1" 095 5 PE SA
"Differential" automatic drain version.	
095.02.00007	F 1" 095 20 PE SAD
095.02.00008	F 1" 095 5 PE SAD

GUIDE TO REFERENCES

F 1/4" 042 20 PE SS

Product

F = Filter
MF = Microfilter
CF = Activated carbon

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

Condensate Drain

SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

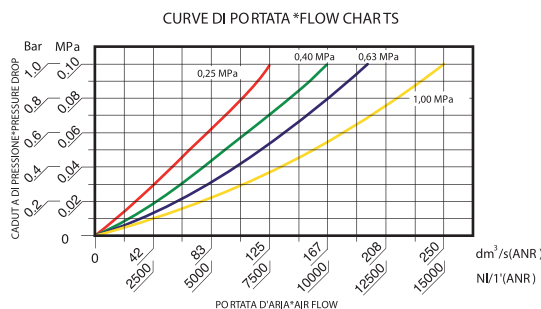
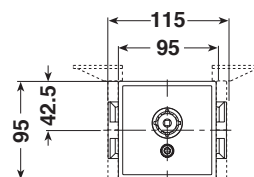
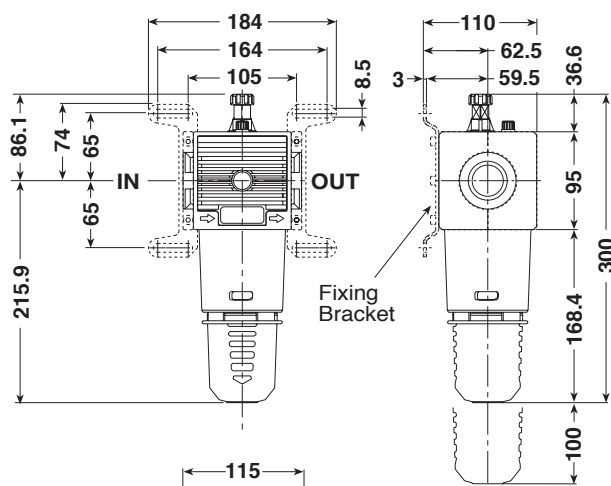
Bowl

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

Filtering element

5 = 5 micron
20 = 20 micron
0,01 = 0,01 micron
CA = Activated carbon

LINE 095 1" | LUBRICATORS



GENERAL FEATURES

Proportional oil mist lubricator allowing a constant oil delivery over time.

Oil suction even under low flow rate with high sensitivity in the lubricant adjustment.

Oil filling plug.

It can be wall mounted through the relevant wall fixing kit.

Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	1"
Maximum inlet pressure	12,5 Bar
Bowl capacity	440 cc
Recommended oil viscosity	ISO VG32
Reference flow rate	(P=10 bar P=1 bar) 15.000 NL/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1" 80 Nm
Weight	1,194 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
095.03.00001	L 1" 095 PE

GUIDE TO REFERENCES

L 1/4" 042 PE

Product

L = Lubricator

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

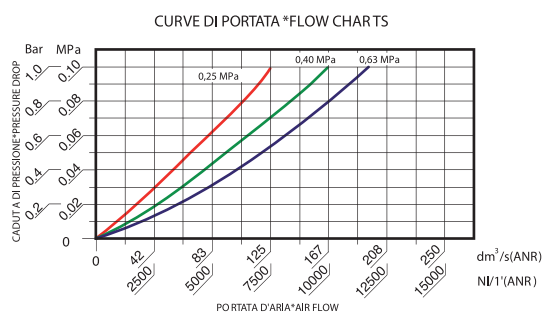
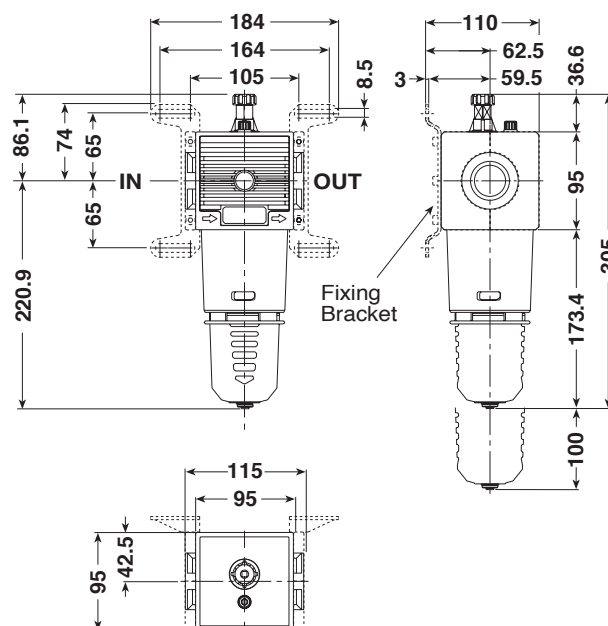
Version

= Standard
VL = Vacuum filling
IL = Min Level indicator
IM = Max/Min Level indicator (Line 095 only)

Bowl

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

LINE 095 1" | LUBRICATORS WITH LEVEL INDICATOR



GENERAL FEATURES

Lubricator equipped with float type level indicator, emitting an electric signal able to control light indicators or acoustic alarms upon reaching the minimum level.

The Lubricator is available in 2 versions:

IL - with level indicator emitting a signal when the minimum level is reached

IM - with indicator emitting a signal when both the minimum and maximum level are reached.

It can be wall mounted through the relevant wall fixing kit.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	1"
Maximum inlet pressure	7 Bar
Maximum voltage	100 V AC
Electric contact	0,75 A 10W Protection IP 65
Bowl capacity	440 cc
Recommended oil viscosity	ISO VG32
Reference flow rate	(P=6,3 bar P=1 bar) 11.800 NI/min
Working temperature (a 7 bar)	-5 / +50°C*
Max Torque IN-OUT	1" 80 Nm
Weight	1,194 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
095.03.00002	L 1" 095 PE IL
095.03.00003	L 1" 095 PE IM

GUIDE TO REFERENCES

L 1/4" 042 PE

Product

L = Lubricator

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

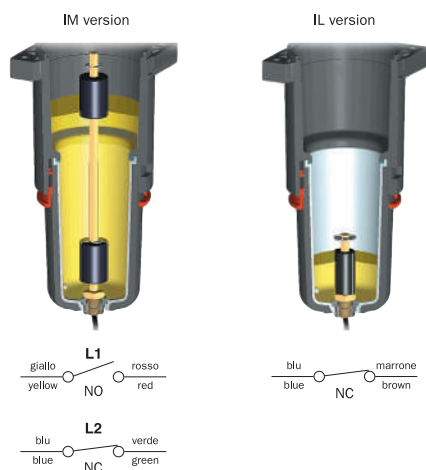
Version

= Standard
VL = Vacuum filling
IL = Min Level indicator
IM = Max/Min Level indicator (Line 095 only)

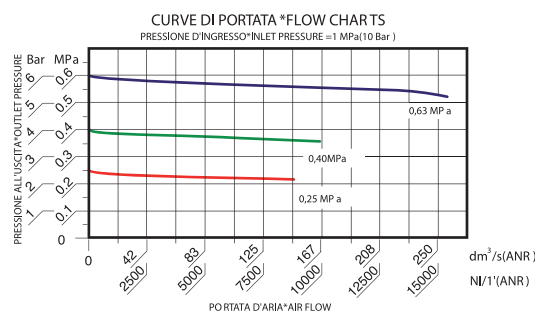
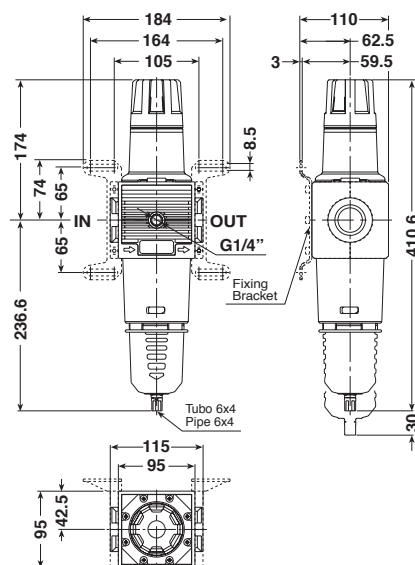
Bowl

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

LEVEL INDICATOR



LINE 095 1" | FILTER REGULATORS



GENERAL FEATURES

High performance modular filter regulator ensuring big flow rate and low load loss.

Relieving for a quick exhaust of the downstream overpressure. Knob with locking pressure device.

Equipped with semiautomatic condensate drain as standard (SS). Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to the outside even when the bowl is pressurized.

Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	1"
Pressure range	0-4; 0-8; 0-12 Bar
Working pressure	0,5 - 12,5 Bar
Working pressure with automatic drain	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate	(P1= 6,3 bar P= 1bar) :13.800 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1" 80 Nm
Max torque gauge port	10 Nm
Bowl capacity	200 cc
Weight	2,060 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
095.04.00002	FR 1" 095 20 04 R PE SS
095.04.00001	FR 1" 095 20 08 R PE SS
095.04.00003	FR 1" 095 20 12 R PE SS
095.04.00005	FR 1" 095 5 04 R PE SS
095.04.00004	FR 1" 095 5 08 R PE SS
095.04.00006	FR 1" 095 5 12 R PE SS
Float type automatic drain version.	
095.04.00007	FR 1" 095 20 08 R PE SA
095.04.00009	FR 1" 095 20 12 R PE SA
"Differential" automatic drain version.	
095.04.00014	FR 1" 095 20 08 R PE SAD
095.04.00015	FR 1" 095 20 12 R PE SAD
095.04.00016	FR 1" 095 5 08 R PE SAD
095.04.00017	FR 1" 095 5 12 R PE SAD

GUIDE TO REFERENCES

FR 1/4" 042 20 08 R PE SS

Product

FR = Filter regulator

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

Filtering element

5 = 5 micron
20 = 20 micron

Condensate Drain

SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

Bowl

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

Version

R = Relieving

Range of pressure

04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar

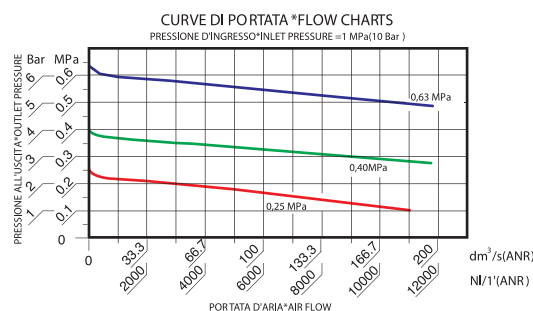
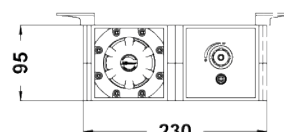
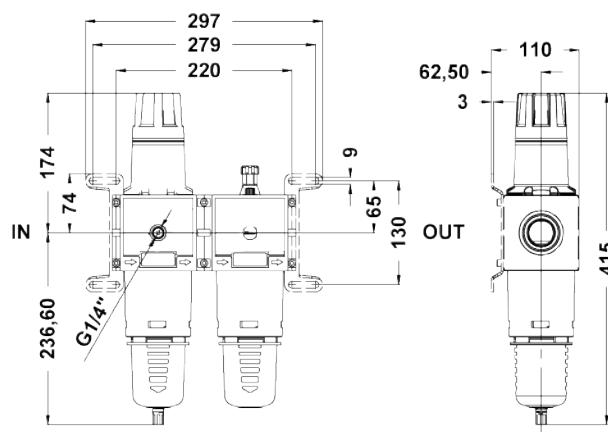
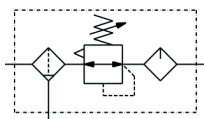


WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?

Replace 0 with "M" the 6th digit of the part nr. for example:

095.04.00002 FR 1" 095 20 04 R PE SS + GAUGE

LINE 095 1" | FR+L UNITS



GENERAL FEATURES

Unit consisting of Filter regulator and Lubricator.

It combines the functions of filtering, pressure regulation and lubrication of compressed air for industrial application.

Unit featuring big flow rate and regulation sensitivity, filtration and high condensate separation.

Semiautomatic condensate drain supplied as standard (SS).

Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to the outside even when the bowl is pressurized.

Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	1"
Pressure range	0-4; 0-8; 0-12 Bar
Working pressure	0,5 - 12,5 Bar
Working pressure with automatic drain	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate	(P1= 6,3 bar P= 1bar) : 8.000 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1" 80 Nm
Max torque gauge port	10 Nm
Weight	3,37 Kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
095.06.00002	FR+L 1" 095 20 04 R PE SS
095.06.00001	FR+L 1" 095 20 08 R PE SS
095.06.00003	FR+L 1" 095 20 12 R PE SS
095.06.00005	FR+L 1" 095 5 04 R PE SS
095.06.00004	FR+L 1" 095 5 08 R PE SS
095.06.00006	FR+L 1" 095 5 12 R PE SS
Float type automatic drain version.	
095.06.00007	FR+L 1" 095 20 08 R PE SA
095.06.00009	FR+L 1" 095 20 12 R PE SA
"Differential" automatic drain version.	
095.06.00013	FR+L 1" 095 20 08 R PE SAD
095.06.00014	FR+L 1" 095 20 12 R PE SAD

GUIDE TO REFERENCES

FR+L 1/4" 042 20 08 R PE SS

Product

FR+L = Filter regulator + Lubricator

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

Filtering element

5 = 5 micron
20 = 20 micron

Condensate Drain

SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

Bowl

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

Version

R = Relieving

Range of pressure

04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar

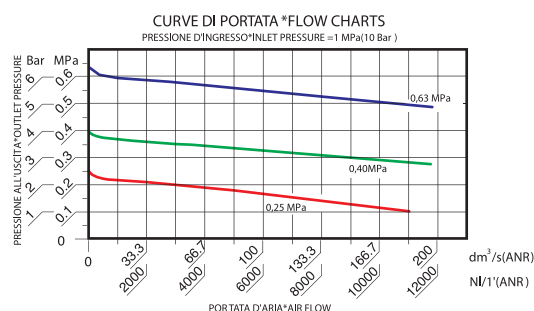
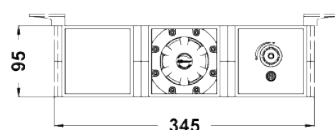
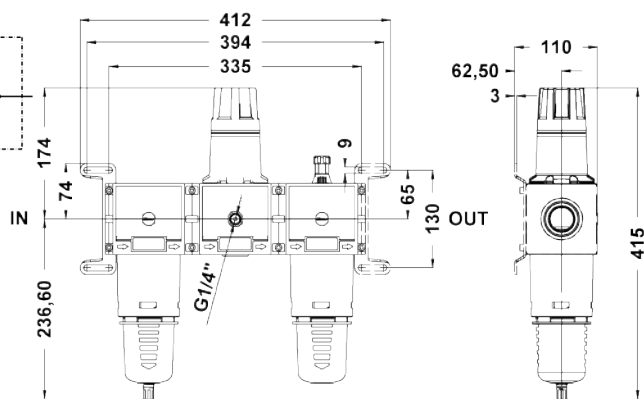
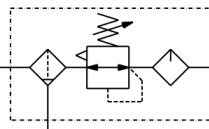


WOULD YOU LIKE TO ORDER
THE REGULATOR COMPLETE WITH GAUGE?

Replace 0 with "M" the 6th digit of the part nr. for example:

095.06.00002 FR+L 1" 095 20 04 R PE SS + GAUGE

LINE 095 1" | F+R+L UNITS



GENERAL FEATURES

Unit consisting of Filter + Regulator + Lubricator.

It combines the functions of filtering, pressure regulation and lubrication of compressed air for industrial application.

Unit featuring big flow rate and regulation sensitivity, filtration and high condensate separation.

Semiautomatic condensate drain supplied as standard (SS).

Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to the outside even when the bowl is pressurized.

Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	1"
Pressure range	0-4; 0-8; 0-12 Bar
Working pressure	0,5 - 12,5 Bar
Working pressure with automatic drain	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate	(P1= 6,3 bar P= 1bar) : 8.000 NL/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1" 80 Nm
Max torque gauge port	10 Nm
Weight	4,44 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
095.05.00002	F+R+L 1" 095 20 04 R PE SS
095.05.00001	F+R+L 1" 095 20 08 R PE SS
095.05.00003	F+R+L 1" 095 20 12 R PE SS
095.05.00005	F+R+L 1" 095 5 04 R PE SS
095.05.00004	F+R+L 1" 095 5 08 R PE SS
095.05.00006	F+R+L 1" 095 5 12 R PE SS
Float type automatic drain version.	
095.05.00007	F+R+L 1" 095 20 08 R PE SA
095.05.00009	F+R+L 1" 095 20 12 R PE SA
"Differential" automatic drain version.	
095.05.00013	F+R+L 1" 095 20 08 R PE SAD
095.05.00014	F+R+L 1" 095 20 12 R PE SAD

GUIDE TO REFERENCES

F+R+L 1/4" 042 20 08 R PE SS

Product

F+R+L = Filter +
Regulator +
Lubricator

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

Filtering element

5 = 5 micron
20 = 20 micron

Condensate Drain

SS = Semiautomatic
(standard)
SA = Automatic float
type
SAD = Automatic
differential
S18 = Open seat 1/8 F

Bowl

TT = Transparent (Line
042 only)
TC = Short transparent
(Line 042 only)
PE = With outer guard

Version

R = Relieving

Range of pressure

04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar

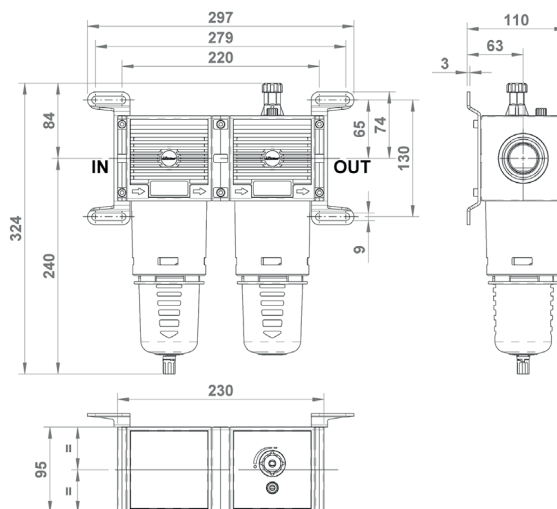
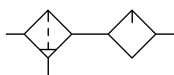


WOULD YOU LIKE TO ORDER
THE REGULATOR COMPLETE WITH GAUGE?

Replace 0 with "M" the 6th digit of the part nr. for example:

095.05.M0002 F+R+L 1" 095 20 04 R PE SS + GAUGE

LINE 095 1" | F+L UNITS



GENERAL FEATURES

Unit consisting of Filter and Lubricator.

It combines the function of filtration and lubrication of compressed air for industrial applications.

Proportional oil-mist lubricator ensuring a constant oil delivery over time.

Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	1"
Working pressure	0,5 - 12,5 Bar
Working pressure with automatic drain	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate	(P1= 10 bar P= 1bar) : 13.800 NI/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1" 80 Nm
Recommended oil viscosity	ISO VG32
Weight	2,45 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
095.07.00001	F+L 1" 095 20 PE SS
095.07.00002	F+L 1" 095 5 PE SS
Float type automatic drain version.	
095.07.00003	F+L 1" 095 20 PE SA
095.07.00004	F+L 1" 095 5 PE SA
"Differential" automatic drain version.	
095.07.00005	F+L 1" 095 20 PE SAD
095.07.00006	F+L 1" 095 5 PE SAD

GUIDE TO REFERENCES

F + L 1/4" 042 20 PE SS

Product

F+L = Filter + Lubricator

Connection

1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line

042
050
052
075
080
095

Condensate Drain

SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

Bowl

TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

Filtering element

5 = 5 micron
20 = 20 micron

AIR PREPARATION

VALVES

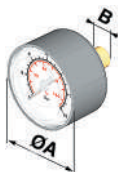
CYLINDERS

FITTINGS

WATER PREPARATION

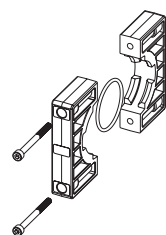
LINE 095 1" | ACCESSORIES

GAUGE



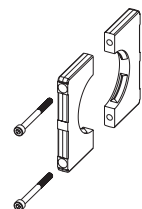
CODE	Bar	Psi	A	B	CH.
A95.01.00026	0-12	0-175	63	G1/4"	14

KIT ASSEMBLING UNITS



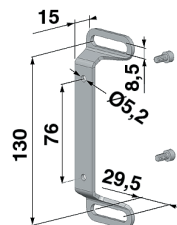
CODE	PRODUCT
C95.05.00001	F+R+L
C95.06.00001	FR+L - F+L

WALL FIXING KIT



CODE	PRODUCT
C95.01.00015	R - F - L - FR

BRACKET



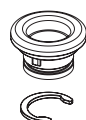
CODE
C95.01.00018

AUTOMATIC DRAIN



CODE	PRODUCT
C40.02.00130 SA	F - FR
C42.02.00012 SAD	F - FR

MOUNTING KIT FOR AUTOMATIC DRAIN



CODE	PRODUCT
C40.02.00131	SA - SAD

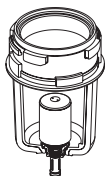
LINE 095 1" | SPARE PARTS

BOWL FOR FILTER



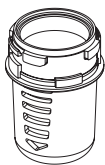
CODE	PRODUCT	VERSION
C95.02.00005	F - FR	PE SS

BOWL WITH AUTOMATIC DRAIN



CODE	PRODUCT	VERSION
C95.02.00006	F - FR	PE SA
C95.02.00019	F - FR	PE SAD

BOWL FOR LUBRICATOR



CODE	PRODUCT	VERSION
C95.03.00004	L	PE
C95.03.00007	IL	PE

FILTERING ELEMENT



CODE	PRODUCT	VERSION
A95.02.00006	F - FR	20 MICRON
A95.02.00007	F - FR	5 MICRON

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

LINE AP1 | PRESSURE SWITCHES

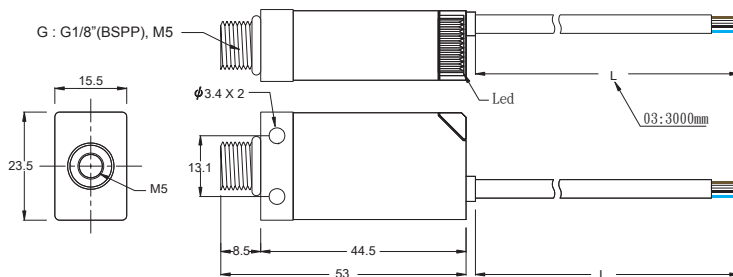
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



GENERAL FEATURES

AIRCOMP electronic pressure switch AP1 is distinguished by great versatility allowing to adjust both switching point and hysteresis.

* Featuring particularly compact dimensions, it can be mounted on all AIRCOMP air-supply kits.

* Available version with digital PNP output with Led for switching indication.

* Switching range: 0 - 10 bar.

* Pneumatic connection 1/8 (with internal thread M5).

GENERAL TECHNICAL DATA

Fluid	air, non corrosive and non flammable gas
Pressure range	0 - 10 bar
Maximum pressure	15 bar
Supply voltage	12 - 24V DC +/- 10%
Response time	5 ms or lower
Output method model	PNP 80 mA
Current consumption	21 mA max
IP protection	IP40
Ambient temperature	0 - 50 °C
Umbient humidity range	35 - 85% RH
Connection	G 1/8 (M5 internal)
Cable lenght	3 m
Weight	50 g
Led	red

GUIDE TO REFERENCES

AP1 3 02 03 G

Product

AP1 = Pressure Switch

Pressure range

3 = 0-10 bar

Type

02 = PNP circuit

Connection

G = 1/8" gas

Cable

03 = Cable 03 m

PRESSURE SWITCH



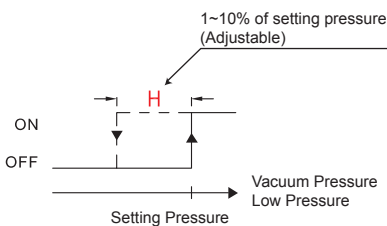
CODE

A50.06.00005

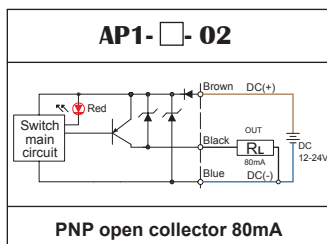
REF.

AP1-3-02-03-G

HYSTERESIS ADJUSTABLE



PRESSURE SWITCH CIRCUIT



INTERMEDIATE AIR TAKE-OFF SLIM + PRESSURE SWITCH LINE 042-1/4



CODE	REF.
C42.05.00109	PA 042 1/8-1/4 (BATTERY) + AP1

TERMINAL AIR TAKE-OFF WITH PRESSURE SWITCH LINE 042-1/4



CODE	REF.
C42.05.00015	PA INLET 042 + AP1 (INLET)
C42.05.00016	PA OUTLET 042 + AP1 (OUTLET)

INTERMEDIATE AIR TAKE-OFF WITH PRESSURE SWITCH LINE 050 3/8-052 1/2



CODE	REF.
C50.05.00006	PA 050 INTERMEDIATE + AP1

TERMINAL AIR TAKE-OFF WITH PRESS SWITCH LINEA 050-3/8 - 052-1/2



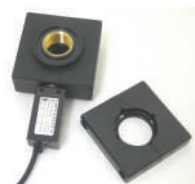
CODE	REF.
C50.05.00007	PA INLET 050 3/8 + AP1 (INLET)
C50.05.00008	PA OUTLET 050 3/8 + AP1 (OUTLET)

INTERMEDIATE AIR TAKE-OFF WITH PRESS SWITCH LINE 075-1/2



CODE	REF.
C75.06.00008	PA 075 INTERMEDIATE + AP1

TERMINAL AIR TAKE-OFF WITH PRESS SWITCH LINE 075-1/2



CODE	REF.
C75.06.00009	PA INLET 075 1/2 + AP1 (INLET)
C75.06.00010	PA OUTLET 075 1/2+ AP1 (OUTLET)

SA-SAD | CONDENSATE AUTOMATIC DRAINS

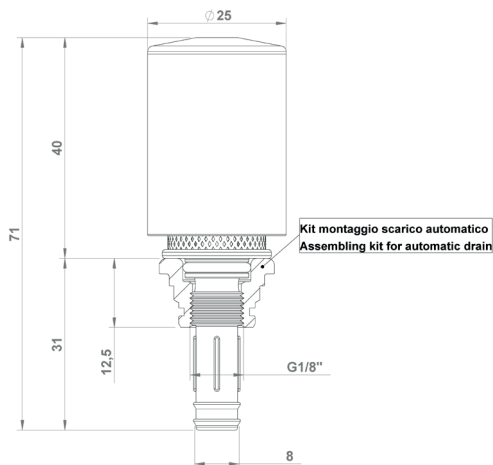
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



SA - AUTOMATIC DRAIN

"SA" automatic drain allows draining condensate inside the bowl, both when it is pressurized and depressurized.

The float type functioning allows draining the condensate, that has built up inside the bowl, upon reaching the preset level.

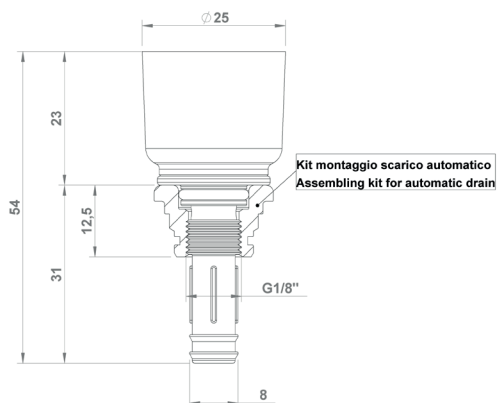
"SA" drain can be assembled on all AIRCOMP Lines (042, 050, 052, 075, 080 and 095) by means of its proper kit.

GENERAL TECHNICAL DATA

Minimum working pressure	1,5 bar
Maximum pressure	10 bar

ORDERING CODE

CODE	REF.
C40.02.00130	automatic drain "SA"
C40.02.00131	Assembling kit



SAD - DIFFERENTIAL DRAIN

"SAD" drain allows draining condensate inside the bowl, both when it is pressurized and depressurized.

The differential type of functioning allows draining the condensate, that has built up inside the bowl, upon reaching the preset level.

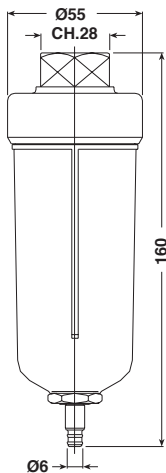
GENERAL TECHNICAL DATA

Minimum working pressure	2 bar
Maximum pressure	12 bar
Δp minimo	0,2 bar
Minimum flow rate	30 lt/min

ORDERING CODE

CODE	REF.
C42.02.00012	differential automatic drain "SAD"
C40.02.00131	Assembling kit

LINE 010-1/2" | DRIP LEG DRAINS



GENERAL FEATURES

Drip leg drain allows removing condensed liquids from pipes, such as the feeding lines, without any manual intervention. The unit is equipped with a filter for protecting the float type automatic drain, having the function to remove condensate. When the unit is depressurized, the drain remains open, guaranteeing the removal of the left in liquid particles. When the unit is pressurized, the drain opens upon reaching the preset condensate level inside the bowl. It is equipped with pipe holder for conveying the removed condensate. In order to allow maintenance operations, it is possible to depressurize the drip leg drain loosening the pipe holder on the external bottom part of the unit.

GENERAL TECHNICAL DATA

Fluid	compressed air
Connections	1/2 G"
Maximum operating pressure	10 bar
Minimum working pressure	1,5 bar
Working temperature	-5 / +50°C (at temperature lower than (a 10 bar): 2°C air must be dried)
Weight	0,225 kg

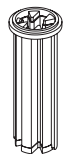
DRIP LEG DRAIN



ORDERING CODE

CODE	REF.
010.00.00001	SAL

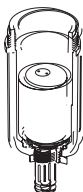
SPARE PARTS



DRIP LEG DRAIN

ORDERING CODE

CODE	REF.
A10.00.00003	SAL



BOWL WITH AUTOMATIC DRAIN

ORDERING CODE

CODE	REF.
C10.00.00003	SAL

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION