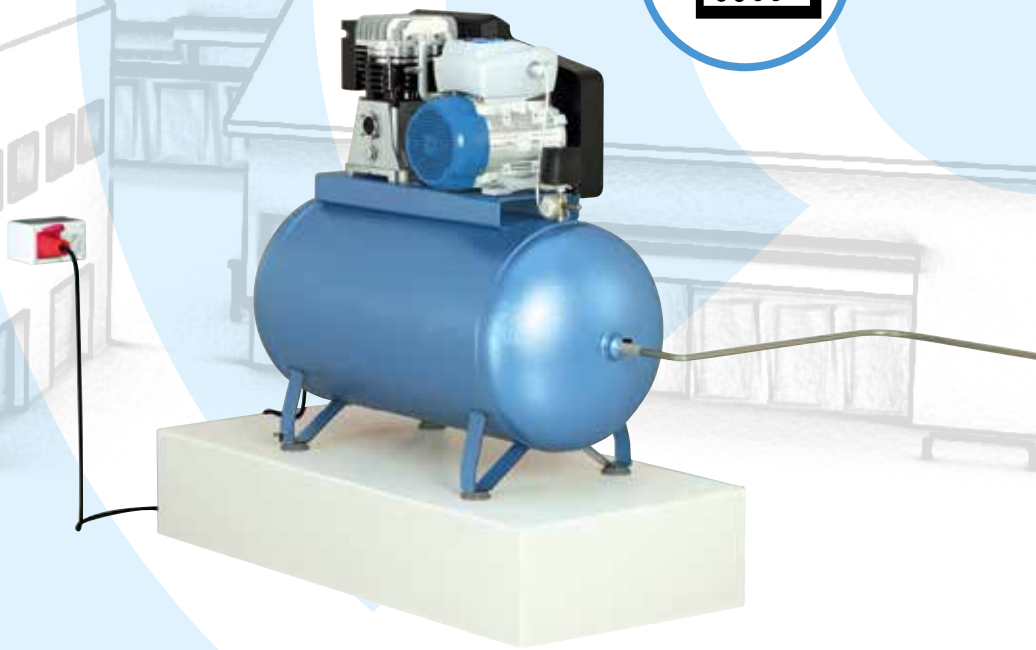
NEO-COMP

compressors
control unit



motive®

... evolution of the famous remote controlled patented "NEO-WiFi" drive, NEO-COMP now controls the compressor pressure and adjusts automatically the motor speed according to the flow rate

Motive lists 5 main reasons to use **NEO-COMP** :

Know NEO-COMP on
https://www.youtube.com/watch?v=y8yHVdYIRKA

Motive 1:
less equipment

With **NEO-COMP** you don't need anymore:

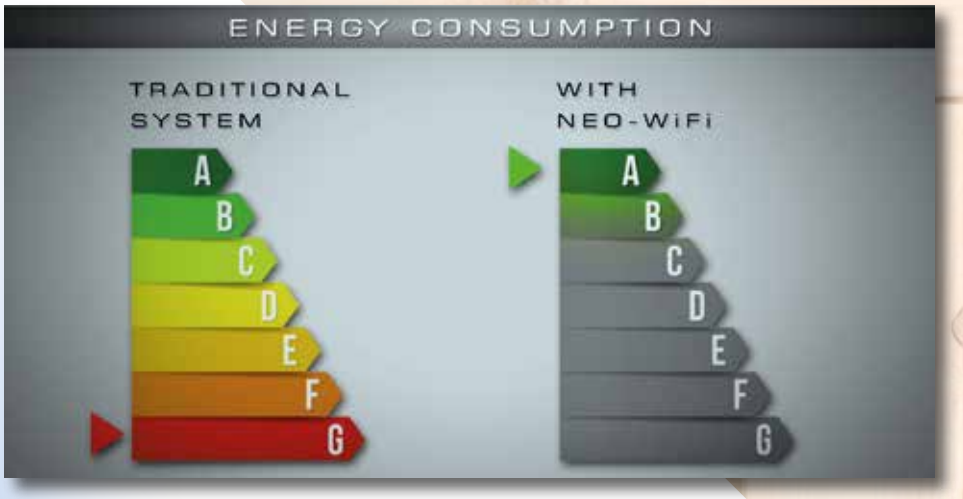
- cabinet
- emergency button
- switch
- motor control relay
- motor overload protection automatic switch...

...and the tank can be 80% smaller

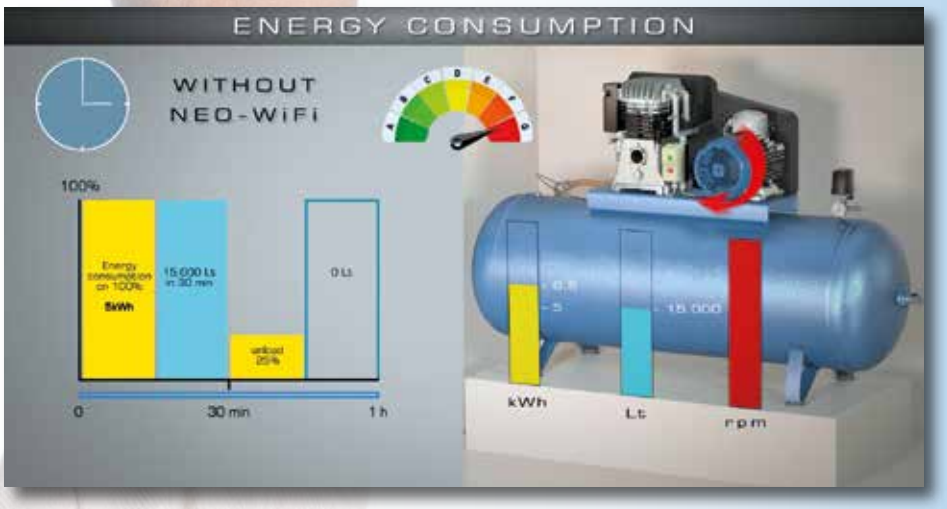
Motive 2: energy saving

With traditional systems, the motor keeps on running and consuming at 100% of its rated speed, also during no load stage

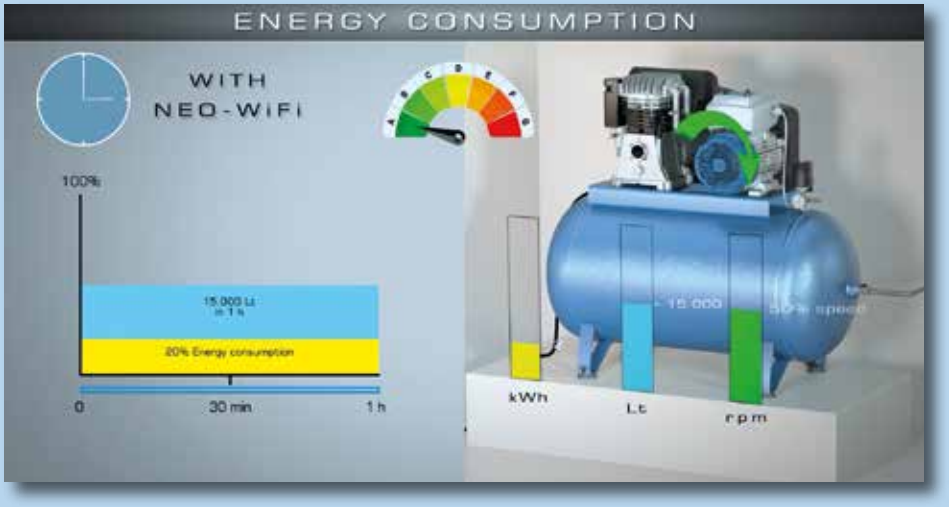
With **NEO-COMP** the used power decreases esponentially according to the compressor capacity that you don't use

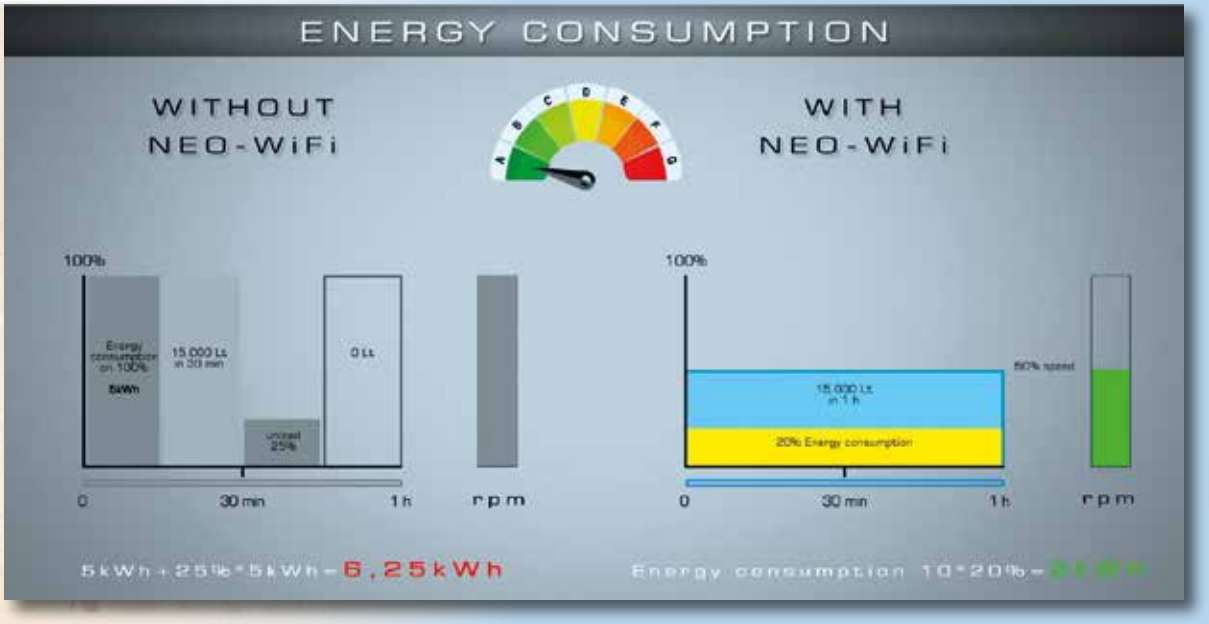


Example of a normal “load - no load” operation
in traditional compressor with 10kWh
and 30.000Lt/h of max capacity,
and a requested flow rate of 15.000Lt/h
(=30min load and 30min no-load)



What happens with **NEO-COMP**:





$$\frac{kW1}{kW2} = \frac{rpm1^3}{rpm2^3}$$

Motive 3: soft start

Traditional compressors have an abrupt start and overcurrent while **NEO-COMP** has a soft start

Motive 4: silent

Traditional compressors motors run always at 100% of their rated speed, while **NEO-COMP** makes the motor run only at the really needed speed

Motive 5:

NEO-COMP adjusts itself automatically without any need of EXTERNAL INTERVENTION

Value	Symbol	UOM	NEO-COMP-3kW	NEO-COMP-11kW	NEO-COMP-22kW
Inverter protection degree*			IP65		
Inverter supply voltage	V_{1n}	V	3x 200÷460		
Inverter supply frequency	f_{1n}	Hz	50-60		
Compressor pressure		Bar	0.01 ÷ 160		
Inverter output frequency	f_2	Hz	Max f_{1n} x 200%		
Rated output current from the inverter (to the motor)	I_{2n}	A	7.0	22	45
Maximum WiFi keypad-inverter communication distance out in the open		mt	20		

Further characteristics	NEO-COMP-3kW	NEO-COMP-11kW	NEO-COMP-22kW
EMC for DOMESTIC, COMMERCIAL AND LIGHT INDUSTRIAL ENVIRONMENT (ref. EN 50081-1, para 5)	YES Class A - Cat C1	optional	optional
EMC for INDUSTRIAL ENVIRONMENT (ref. EN 50081-2, para 5)	YES	YES Class A - Cat C2	YES Class A - Cat C2
Communication Protocol	MODBUS	MODBUS	MODBUS

Download the technical manual from
http://www.motive.it/manuali/manuale-NEO-WiFi-eng.pdf

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