



# **BERGAS**

**Gas & air compression solutions**



## **CATALOGUE**

### **CNG Compressors**

**2022**

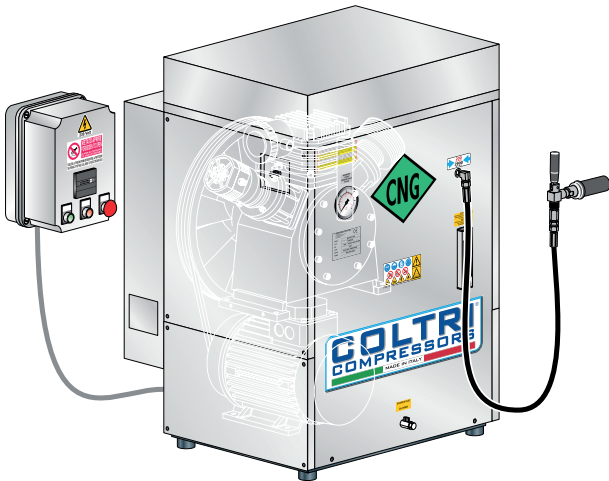
# CNG ELECTROMECHANIC

LINE: CNG



## DESCRIPTION

The CNG ELECTROMECHANIC series compressors have been designed to re-compress natural gas and biomethane previously treated and filtered. These compressors are designed for the refuelling of vehicles powered by natural gas. They are suitable for domestic use or for small fleets. Using products from the CNG ELECTROMECHANIC line is simple and safe. They are equipped with an electromechanical remote control panel with 5 meters cable and an automatic stop function when the tank is full. These compressors are powered by a three-phase electric motor, except for the model equipped with a CNG 5 pumping unit; that can be powered by a single-phase motor. The product is supplied with a 4.5mt high pressure hose and dispensing gun with NGV1 direct drive connection, suitable for recharge pressures up to 250 bar.



### REFUELING NOZZLE

Methane dispensing gun with NGV1 direct connection suitable for refilling pressures up to 250 bar

### DRIVEN BY

Single-phase electric motor  
Three-phase electric motor

### CHARGING RATE

From 85 to 266 l/m

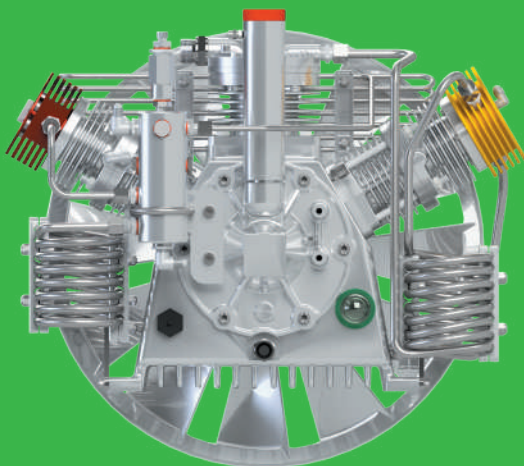
### WORKING PRESSURE

From 200 to 250 Bar

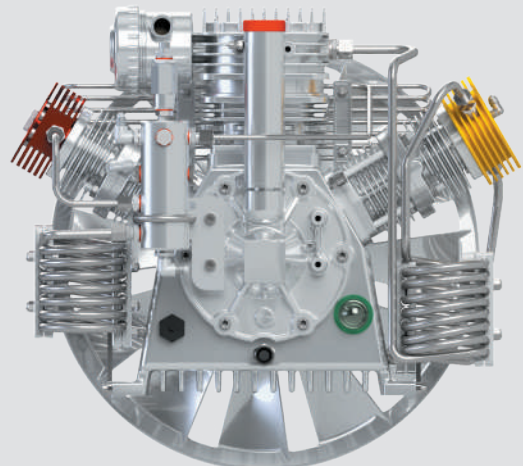
### FILLING TIME

From 3h to 1h

### CNG EVO 5 PUMPING UNIT



### CNG EVO 10-14 PUMPING UNIT



## TECHNICAL DATA

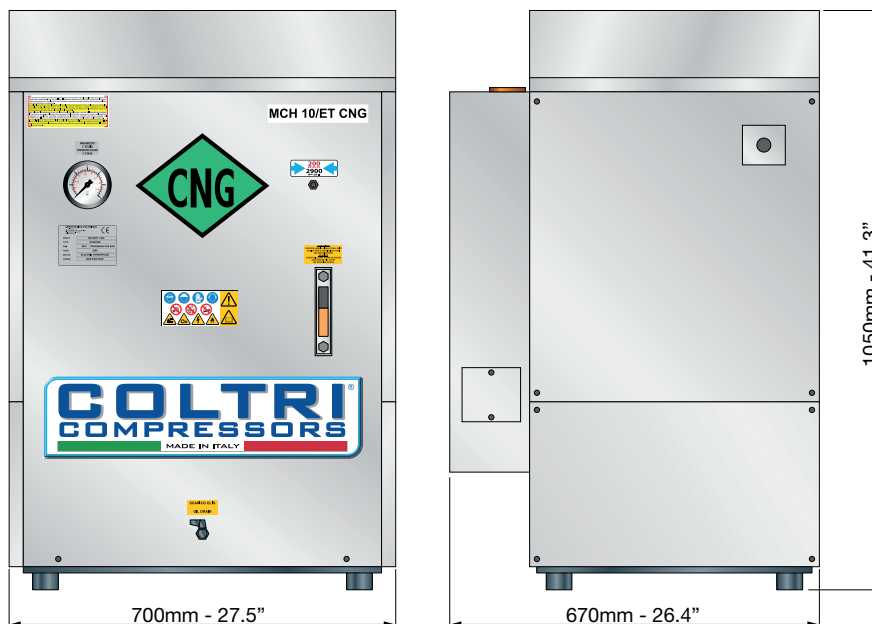
	CNG ELECTROMECHANIC 5	CNG ELECTROMECHANIC 10	CNG ELECTROMECHANIC 14
DRIVEN BY	SINGLE/THREE-PHASE ELECTRIC MOTOR	THREE-PHASE ELECTRIC MOTOR	THREE-PHASE ELECTRIC MOTOR
FILLING TIME*	3h 8 min.	1h 15 min.	1h
CHARGING RATE	85 l/min 5,1 m <sup>3</sup> /h 2.9 CFM FAD	170 l/min 10,2 m <sup>3</sup> /h 5.9 CFM FAD	266 l/min 15,9 m <sup>3</sup> /h 9.2 CFM FAD
WORKING PRESSURE	200 - 250 bar 2900 - 3626 psig	200 - 250 bar 2900 - 3626 psig	200 - 250 bar 2900 - 3626 psig
NET WEIGHT Approx.	160 kg - 353 lb	180 kg - 397 lb	180 kg - 397 lb
NOISE	65 dB	70 dB	70 dB
SUCTION PRESSURE MIN/MAX	17±200 mbar - 0.24±2.90 psig	17±200 mbar - 0.24±2.90 psig	17±200 mbar - 0.24±2.90 psig

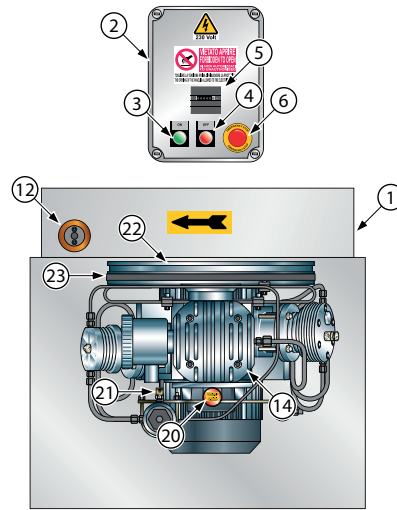
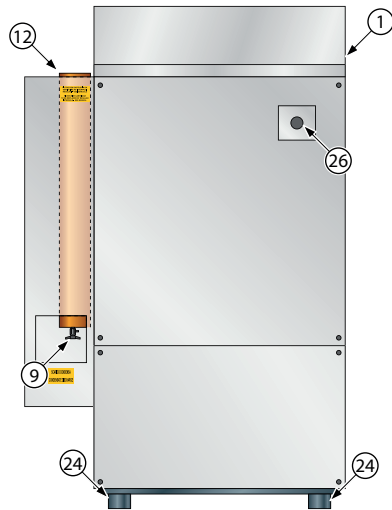
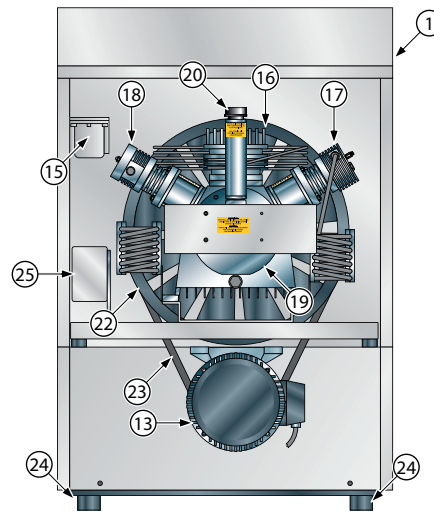
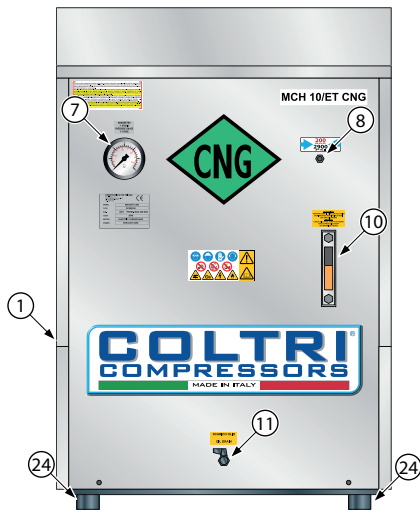
\*Filling time cylinder 80 l (kg 11.5) - 0/200 bar (measured by filling cylinder from 0 to 200 bar ±5%)

## STANDARD FEATURES

- AUTOSTOP
- REFUELING NOZZLE  
natural gas with direct action NGV1  
(P. 23)
- MAXIFILTER  
Filtration  
(P. 22)
- FILLING HOSE  
4.5 m - 177 ft length
- AUTOMATIC DRAIN  
with fireplace  
(methane expulsion)
- PRESSURE GAUGE  
Gas suction safety pressure switch  
in entrance

## DIMENSIONS





- |    |                              |    |                          |
|----|------------------------------|----|--------------------------|
| 1  | Frame                        | 14 | Compressor               |
| 2  | Control panel                | 15 | Gases filter             |
| 3  | On                           | 16 | 1 <sup>st</sup> stage    |
| 4  | Off                          | 17 | 2 <sup>nd</sup> stage    |
| 5  | Hour counter                 | 18 | 3 <sup>rd</sup> stage    |
| 6  | Emergency pushbutton         | 19 | Crankcase                |
| 7  | Gases pressure gauge         | 20 | Oil filler plug          |
| 8  | Refill hose connection       | 21 | Safety valve             |
| 9  | Condensate drain valve       | 22 | Antistatic cooling fan   |
| 10 | Oil level                    | 23 | Antistatic belt          |
| 11 | Oil drain valves             | 24 | Anti-vibration device    |
| 12 | Molecular sieve gases filter | 25 | Pressure switch          |
| 13 | ATEX motor                   | 26 | Gas aspiration connector |

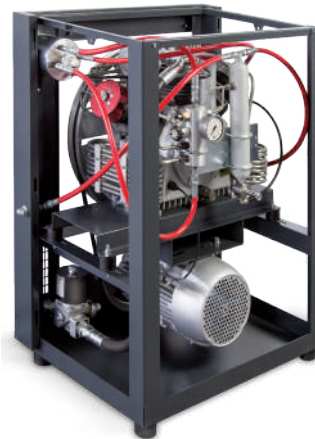
# CNG EVO

LINE: CNG



## DESCRIPTION

The CNG EVO series compressors have been created to re-compress natural gas and biomethane previously treated and filtered. They are suitable for both domestic use and small fleets. The products of the CNG EVO line are equipped with an electronic control and a command unit, equipped with the automatic stop function when the tank is full and with advanced safety systems. These compressors are all powered by a three-phase electric motor with the sole exception of the models powered by CNG EVO 5 which can be also powered by a single-phase or three-phase motor. The product includes a 4.5 m high pressure hose and a dispensing gun with NGV1 direct drive connection suitable for recharge pressures up to 250 bar.



### REFUELING NOZZLE

Methane dispensing gun with NGV1 direct connection suitable for refilling pressures up to 250 bar

### DRIVEN BY

Single-phase electric motor  
Three-phase electric motor

### CHARGING RATE

From 85 to 330 l/m

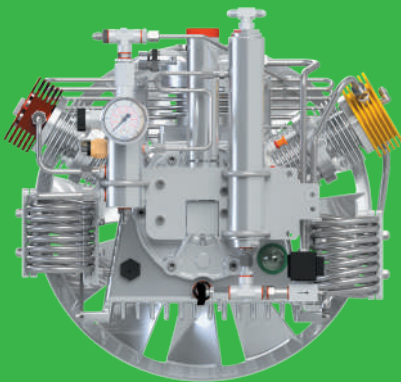
### WORKING PRESSURE

From 200 to 250 Bar

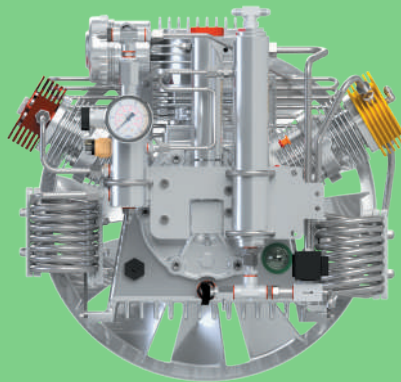
### FILLING TIME

From 3h to 48 min.

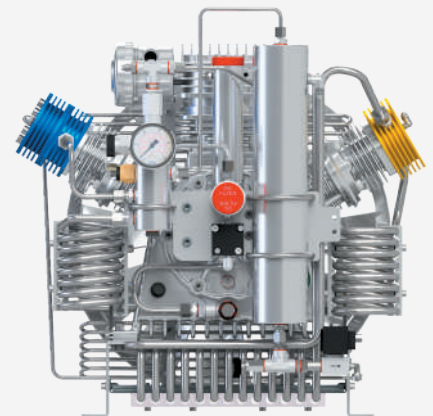
### CNG EVO 5 PUMPING UNIT



### CNG EVO 10-14 PUMPING UNIT



### CNG EVO 19 PUMPING UNIT



## TECHNICAL DATA

	CNG EVO 5	CNG EVO 10	CNG EVO 14	CNG EVO 19
<b>DRIVEN BY</b>	SINGLE/THREE-PHASE ELECTRIC MOTOR	THREE-PHASE ELECTRIC MOTOR	THREE-PHASE ELECTRIC MOTOR	THREE-PHASE ELECTRIC MOTOR
<b>FILLING TIME*</b>	3h 8 min.	1h 15 min.	1h	48 min.
<b>CHARGING RATE</b>	85 l/min 5.1 m <sup>3</sup> /h 2.9 CFM FAD	170 l/min 10.2 m <sup>3</sup> /h 5.9 CFM FAD	266 l/min 15.9 m <sup>3</sup> /h 9.2 CFM FAD	330 l/min 19.8 m <sup>3</sup> /h 11.6 CFM FAD
<b>WORKING PRESSURE</b>	200 - 250 bar 2900 - 3626 psig	200 - 250 bar 2900 - 3626 psig	200 - 250 bar 2900 - 3626 psig	200 - 250 bar 2900 - 3626 psig
<b>NET WEIGHT Approx.</b>	160 kg - 353 lb	180 kg - 397 lb	180 kg - 397 lb	190 kg - 419 lb
<b>NOISE</b>	65 dB	70 dB	70 dB	70 dB
<b>SUCTION PRESSURE MIN/MAX</b>	17±200 mbar 0.24±2.90 psig	17±200 mbar 0.24±2.90 psi	17±200 mbar 0.24±2.90 psig	17±200 mbar 0.24±2.90 psig

\*Filling time cylinder 80 l (kg 11.5) - 0/200 bar (measured by filling cylinder from 0 to 200 bar ±5%)

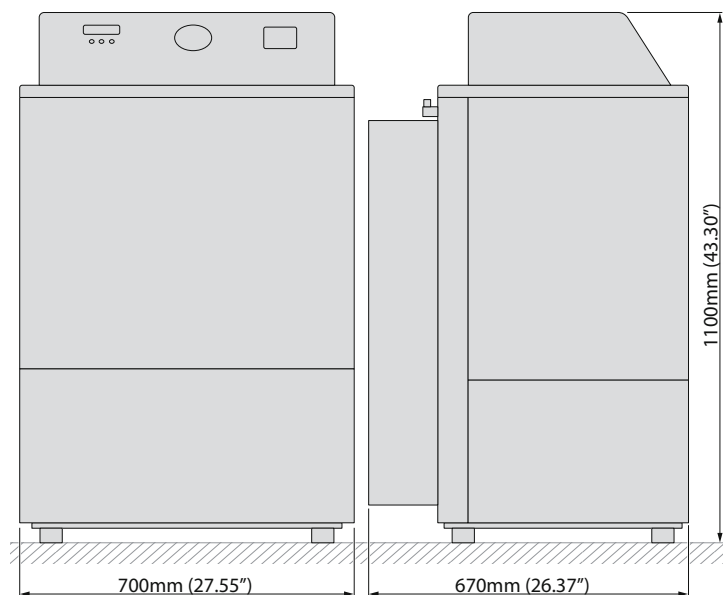
## STANDARD FEATURES

- **AUTOSTOP**
- **DIGITAL DISPLAY**
- **REFUELING NOZZLE**  
natural gas with direct action NGV1 (P. 23)
- **FILLING HOSE**  
4.5 m - 177 ft length
- **AUTOMATIC DRAIN**  
with fireplace (methane expulsion)
- **OIL PUMP**  
(Only CNG EVO 19)
- **PRESSURE GAUGE**  
Gas suction safety pressure switch in entrance

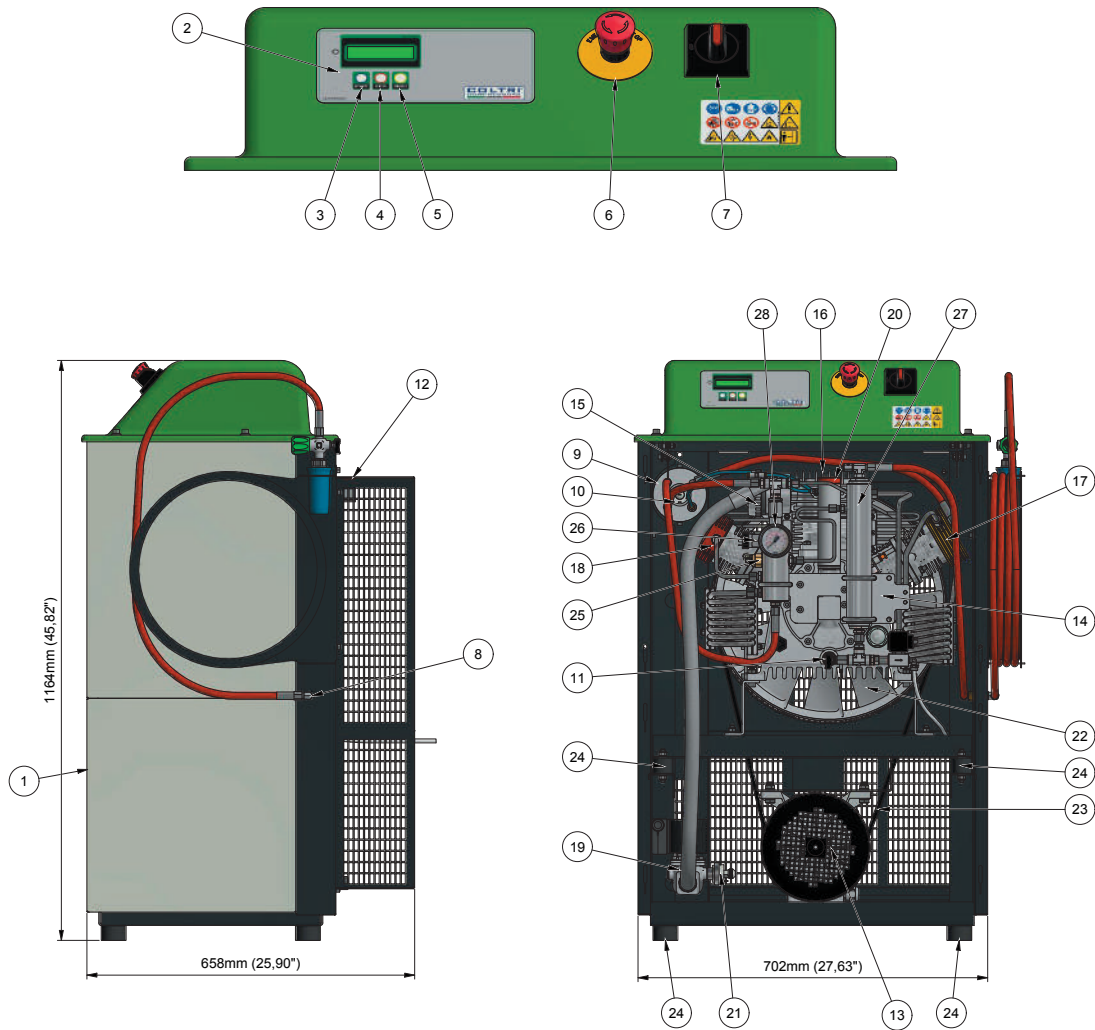
## OPTIONAL

- **HYPERFILTER**  
Filtration (P. 22)

## DIMENSIONS







- |    |                        |    |                                    |
|----|------------------------|----|------------------------------------|
| 1  | Frame                  | 16 | 1 <sup>st</sup> stage              |
| 2  | Electronic control     | 17 | 2 <sup>nd</sup> stage              |
| 3  | On                     | 18 | 3 <sup>rd</sup> stage              |
| 4  | Off                    | 19 | Interception solenoid valve        |
| 5  | Reset pushbutton       | 20 | Oil filler plug                    |
| 6  | Emergency pushbutton   | 21 | Suction gas safety pressure switch |
| 7  | On/Off selector        | 22 | Antistatic cooling fan             |
| 8  | Refill hose connection | 23 | Antistatic belt                    |
| 9  | Manifold safety valves | 24 | Anti-vibration device              |
| 10 | Safety pressure switch | 25 | Final Safety pressure switch       |
| 11 | Oil drain valves       | 26 | Safety thermostat                  |
| 12 | Fireplace exhaust gas  | 27 | Condensate separator               |
| 13 | Motor                  | 28 | Pressure sensor                    |
| 14 | Compressor             |    |                                    |
| 15 | Gases filter           |    |                                    |

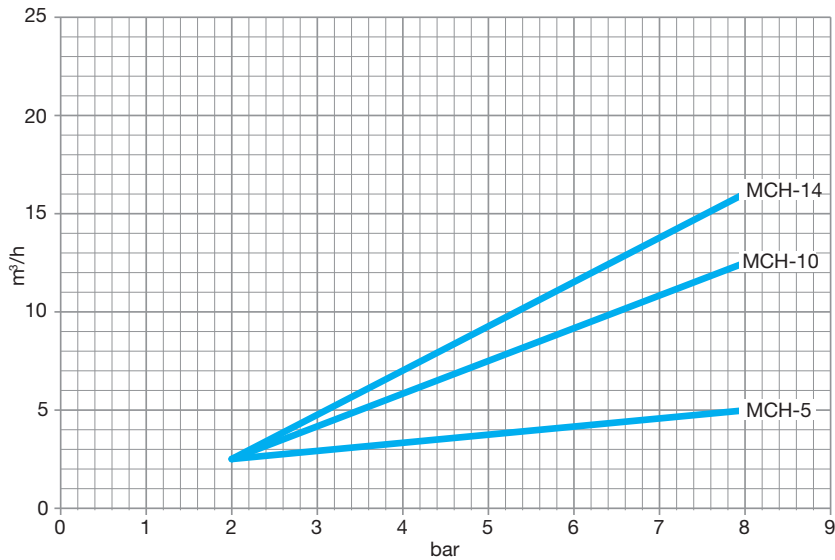
# CNG BOOSTER ELECTROMECHANIC

LINE: CNG



## DESCRIPTION

The CNG BOOSTER series compressors are designed to compress natural gas and biomethane previously treated and filtered with a suction pressure between 2 and 8 bar and a final pressure up to 250 bar. These robust and compact boosters are designed to fill cylinders for gas storage. Using products from the CNG BOOSTER line is easy and can be done in complete safety. The equipment includes a remote electromechanical switchboard with 5 meters cable for control and the automatic stop function when the tank is full. The CNG BOOSTERS are powered by a three-phase electric motor.



### DRIVEN BY

Three-phase electric motor

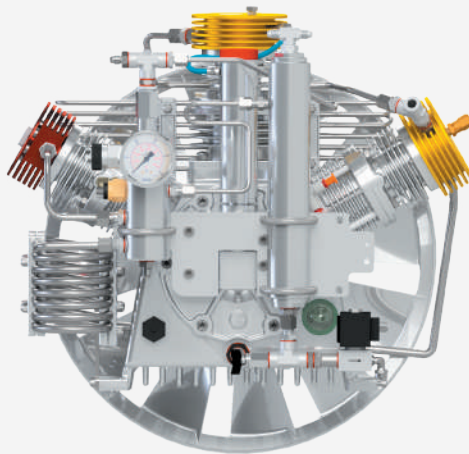
### CHARGING RATE

From 41.7 to 265 l/m

### WORKING PRESSURE

From 200 to 250 Bar

### CNG BOOSTER 14 PUMPING UNIT



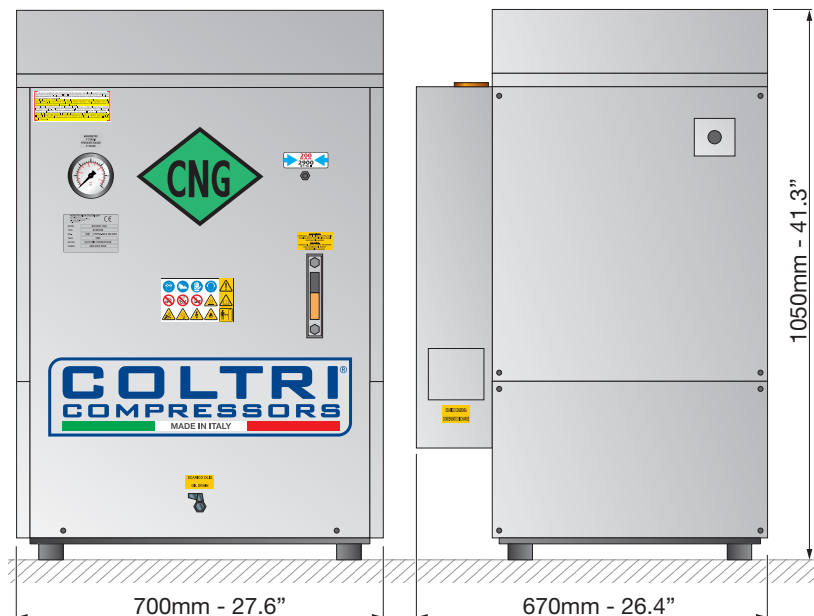
## TECHNICAL DATA

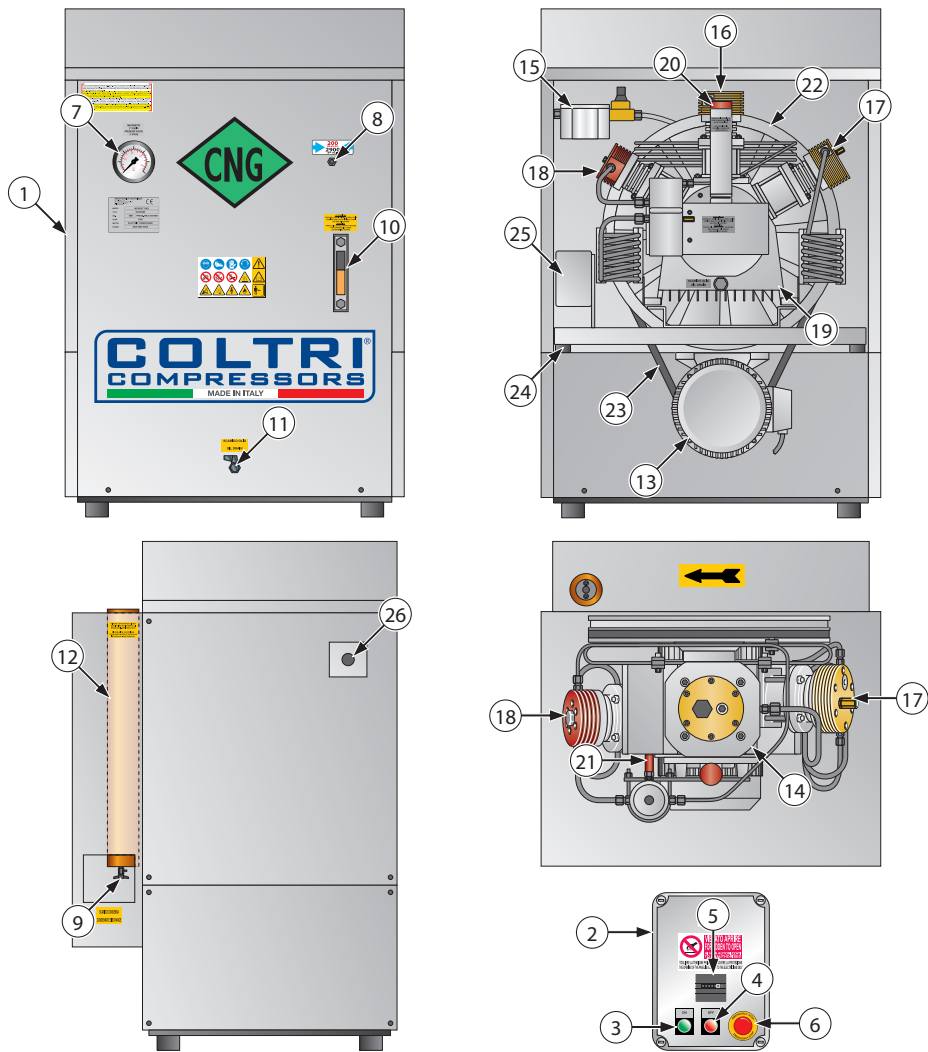
	CNG BOOSTER ELECTROMECHANIC 10	CNG BOOSTER ELECTROMECHANIC 14
DRIVEN BY	THREE-PHASE ELECTRIC MOTOR	THREE-PHASE ELECTRIC MOTOR
CHARGING RATE	Da 41.7 a 215 l/min - da 2.5 a 12.5 m <sup>3</sup> /h	Da 41.7 a 265 l/min - da 2.5 a 15.9 m <sup>3</sup> /h
WORKING PRESSURE	200 - 250 bar 2900 - 3626 psig	200 - 250 bar 2900 - 3626 psig
NET WEIGHT Approx.	160 kg - 353 lb	180 kg - 397 lb
NOISE	70 dB	70 dB
SUCTION PRESSURE MIN/MAX	2-8 bar	2-8 bar

## STANDARD FEATURES

- **AUTOSTOP**
- **MAXIFILTER**  
Filtration  
(P. 22)
- **AUTOMATIC DRAIN**  
with fireplace  
(methane expulsion)
- **PRESSURE GAUGE**  
Gas suction safety pressure switch  
in entrance

## DIMENSIONS





- |    |                              |    |                          |
|----|------------------------------|----|--------------------------|
| 1  | Frame                        | 14 | Compressor               |
| 2  | Control panel                | 15 | Gases filter             |
| 3  | On                           | 16 | 1 <sup>st</sup> stage    |
| 4  | Off                          | 17 | 2 <sup>nd</sup> stage    |
| 5  | Hour counter                 | 18 | 3 <sup>rd</sup> stage    |
| 6  | Emergency pushbutton         | 19 | Crankcase                |
| 7  | Gases pressure gauge         | 20 | Oil filler plug          |
| 8  | Refill hose connection       | 21 | Safety valve             |
| 9  | Condensate drain valve       | 22 | Antistatic cooling fan   |
| 10 | Oil level                    | 23 | Antistatic belt          |
| 11 | Oil drain valves             | 24 | Anti-vibration device    |
| 12 | Molecular sieve gases filter | 25 | Pressure switch          |
| 13 | ATEX motor                   | 26 | Gas aspiration connector |

# CNG

LINE: CNG HD



## DESCRIPTION

Designed for medium sized charging stations, the CNG HD series compressors can re-compress up to 250 bar of natural gas and biomethane previously treated and filtered from the supply line. Four compression stages and low rpm for a machine suitable for professional use. The remote control panel (5 meters cable) provides all the indications to operate in maximum safety. There are two pump units that can be installed (CNG 20 and CNG 34) both powered by three-phase electric motors but with different flow rates. The compressors of the series are equipped with a 4.5 m high pressure hose and a dispensing gun with NGV1 direct drive connection, suitable for recharge pressures up to 250 bar. As standard, CNG HD products come with different solutions designed for ease of use and reliability: safety pressure switch for inlet gas suction, autostop and double filtering system with Hyperfilter.



### DRIVEN BY

Three-phase electric motor

### CHARGING RATE

From 330 to 550 l/m

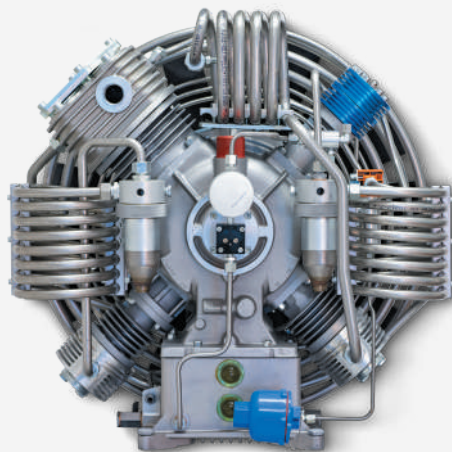
### WORKING PRESSURE

From 200 to 250 Bar

### FILLING TIME

From 48 to 29 min.

### CNG 20-34 PUMPING UNIT



## TECHNICAL DATA

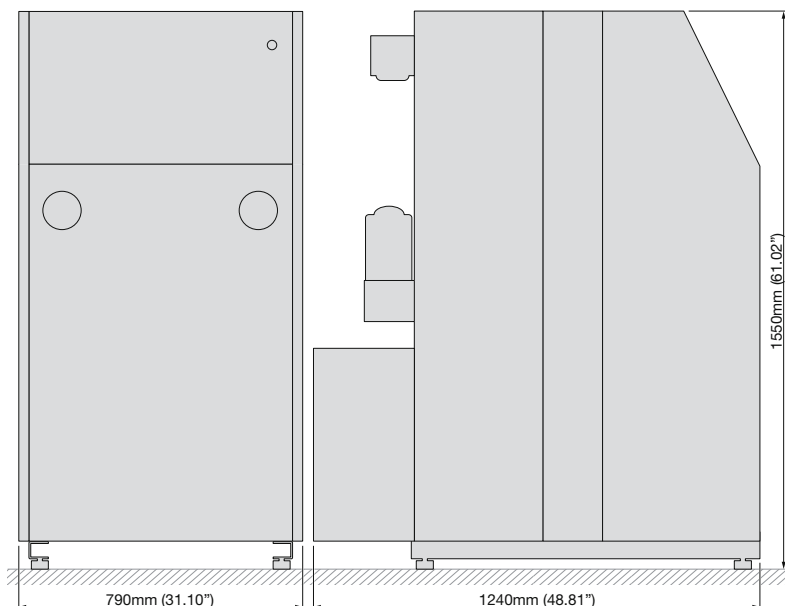
	CNG 20	CNG 34
DRIVEN BY	THREE-PHASE ELECTRIC MOTOR	THREE-PHASE ELECTRIC MOTOR
FILLING TIME*	48 min.	29 min.
CHARGING RATE	330 l/min 19,8 m <sup>3</sup> /h 11.8 CFM FAD	550 l/min 33 m <sup>3</sup> /h 19.4 CFM FAD
WORKING PRESSURE	200 - 250 bar 2900 - 3626 psig	200 - 250 bar 2900 - 3626 psig
NET WEIGHT Approx.	420 kg - 926 lb	420 kg - 926 lb
NOISE	70 dB	70 dB
SUCTION PRESSURE MIN/MAX	17÷200 mbar 0.24÷2.90 psig	17÷200 mbar 0.24÷2.90 psig

\*Filling time cylinder 80 l (kg 11.5) - 0/200 bar (measured by filling cylinder from 0 to 200 bar ±5%)

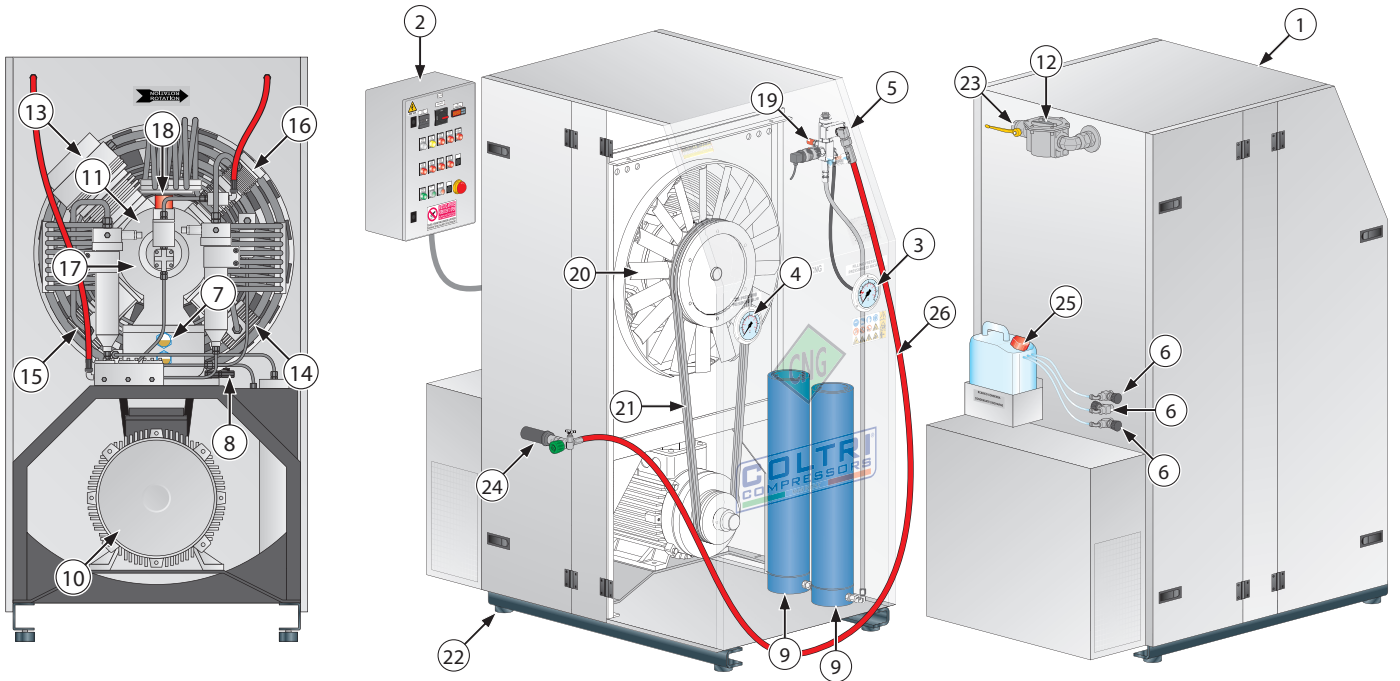
## STANDARD FEATURES

- **AUTOSTOP**
- **REFUELING NOZZLE**  
natural gas with direct action NGV1  
(P. 23)
- **HYPERFILTER**  
Filtration  
(P. 22)
- **FILLING HOSE**  
4.5 m - 177 ft length
- **OIL PUMP**
- **PRESSURE GAUGE**  
Gas suction safety pressure switch  
in entrance

## DIMENSIONS







- |    |                              |    |                            |
|----|------------------------------|----|----------------------------|
| 1  | Frame                        | 14 | 2 <sup>nd</sup> stage      |
| 2  | Control panel                | 15 | 3 <sup>rd</sup> stage      |
| 3  | Gases pressure gauge         | 16 | 4 <sup>th</sup> stage      |
| 4  | Oil pressure gauge           | 17 | Crankcase                  |
| 5  | Refill HP hose connection    | 18 | Oil filler plug            |
| 6  | Condensate drain valve       | 19 | Safety valve               |
| 7  | Oil level                    | 20 | Antistatic cooling fan     |
| 8  | Oil drain valves             | 21 | Antistatic belt            |
| 9  | Molecular sieve gases filter | 22 | Anti-vibration device      |
| 10 | ATEX motor                   | 23 | Gas aspiration connector   |
| 11 | Compressor                   | 24 | Refill fitting             |
| 12 | Gases filter                 | 25 | Condensate collection tank |
| 13 | 1 <sup>st</sup> stage        | 26 | Refill HP hose             |

# CNG BOOSTER

LINE: CNG HD



## DESCRIPTION

Designed for medium sized charging stations, the CNG HD series boosters can compress up to 250 bar of natural gas and biomethane previously treated and filtered from the supply line. The products of the line are designed for professional use, thanks to the four compression stages and low rpm. The remote control panel, supplied with a 5 meter cable, provides all the indications to operate in maximum safety. These boosters support two different pumping units, CNG 20 and CNG 24, both powered by three-phase electric motors with different flow rates. As standard, CNG HD products are equipped with solutions designed to increase simplicity of use and guarantee unprecedented reliability: safety pressure switch for gas inlet suction, autostop and double filtering system with Hyperfilter.



### DRIVEN BY

Three-phase electric motor

### CHARGING RATE

From 250 to 690 l/m

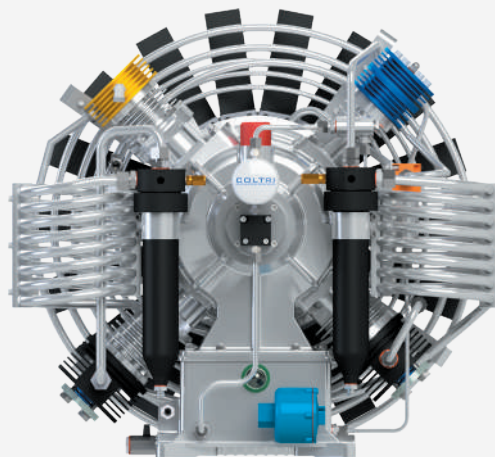
### WORKING PRESSURE

From 200 to 250 Bar

### FILLING TIME

From 64 to 23 min.

### BOOSTER CNG 24 PUMPING UNIT



## TECHNICAL DATA

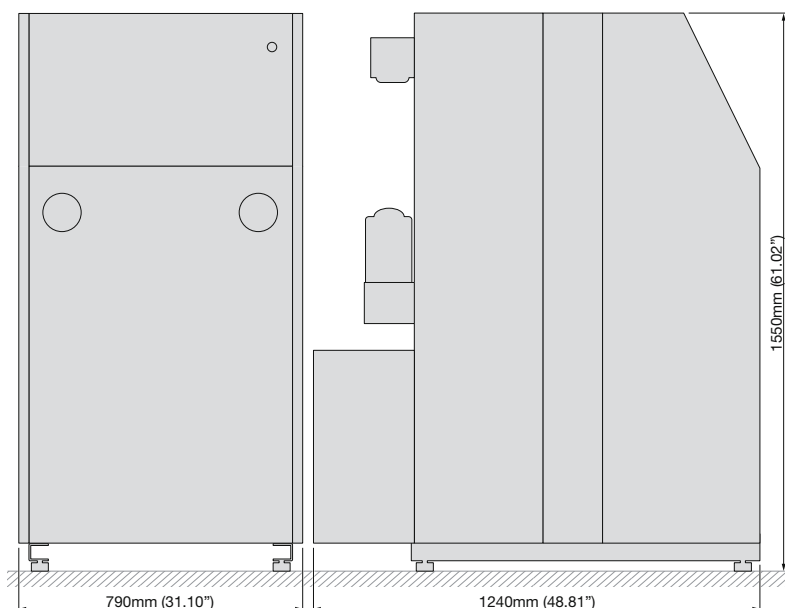
	CNG 20	CNG 24
DRIVEN BY	THREE-PHASE ELECTRIC MOTOR	THREE-PHASE ELECTRIC MOTOR
FILLING TIME*	64 min.	23 min.
CHARGING RATE	250 l/min 15 m <sup>3</sup> /h 8.8 CFM FAD	690 l/min 41 m <sup>3</sup> /h 24.3 CFM FAD
WORKING PRESSURE	200 - 250 bar 2900 - 3626 psig	200 - 250 bar 2900 - 3626 psig
NET WEIGHT Approx.	420 kg - 926 lb	420 kg - 926 lb
NOISE	70 dB	70 dB
SUCTION PRESSURE MIN/MAX	2 - 5 bar 29 - 72.5 psig	2 - 5 bar 29 - 72.5 psig

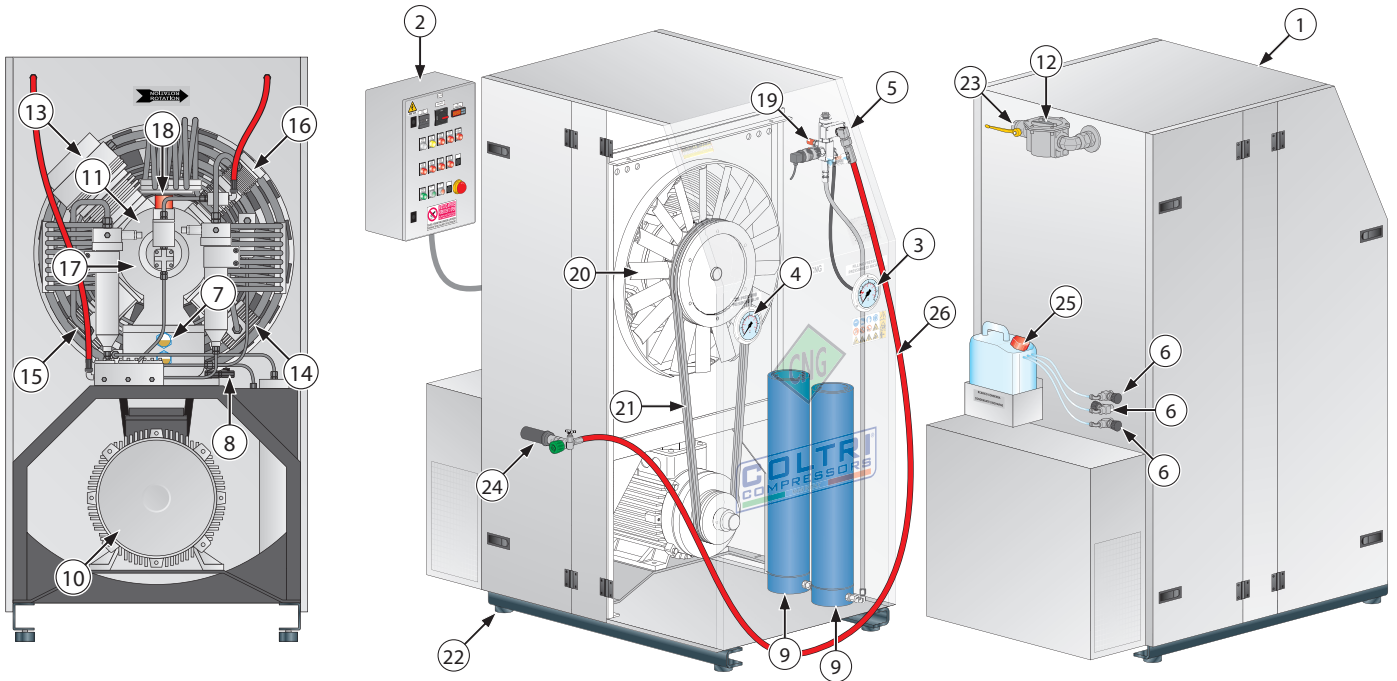
\*Filling time cylinder 80 l (kg 11.5) - 0/200 bar (measured by filling cylinder from 0 to 200 bar ±5%)

## STANDARD FEATURES

- **AUTOSTOP**
- **REFUELING NOZZLE**  
natural gas with direct action NGV1  
(P. 23)
- **HYPERFILTER**  
Filtration  
(P. 22)
- **FILLING HOSE**  
4.5 m - 177 ft length
- **OIL PUMP**
- **PRESSURE GAUGE**  
Gas suction safety pressure switch  
in entrance

## DIMENSIONS





- |    |                              |    |                            |
|----|------------------------------|----|----------------------------|
| 1  | Frame                        | 14 | 2 <sup>nd</sup> stage      |
| 2  | Control panel                | 15 | 3 <sup>rd</sup> stage      |
| 3  | Gases pressure gauge         | 16 | 4 <sup>th</sup> stage      |
| 4  | Oil pressure gauge           | 17 | Crankcase                  |
| 5  | Refill HP hose connection    | 18 | Oil filler plug            |
| 6  | Condensate drain valve       | 19 | Safety valve               |
| 7  | Oil level                    | 20 | Antistatic cooling fan     |
| 8  | Oil drain valves             | 21 | Antistatic belt            |
| 9  | Molecular sieve gases filter | 22 | Anti-vibration device      |
| 10 | ATEX motor                   | 23 | Gas aspiration connector   |
| 11 | Compressor                   | 24 | Refill fitting             |
| 12 | Gases filter                 | 25 | Condensate collection tank |
| 13 | 1 <sup>st</sup> stage        | 26 | Refill HP hose             |

## MAXIFILTER

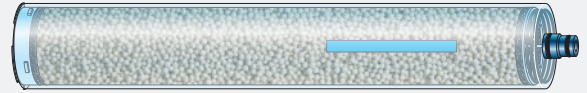


ONLY MOLECULAR SIEVE

CODE

**SC000440/PP/SM**  
FOR CNG ELECTROMECHANIC  
CNG BOOSTER ELECTROMECHANIC

## HYPERFILTER



ONLY MOLECULAR SIEVE

CODE

**36-07-034/CNG/1**  
FOR CNG EVO - CNG HD  
CNG BOOSTER HD

## CAPS & DISCS KIT

### FOR MAXIFILTER



CODE

**13-05-0601/R**  
6 pieces kit

## FELTS

### FOR MAXIFILTER



CODE

**13-00-0800**  
6 pieces kit

### FOR HYPERFILTER



CODE

**36-00-0805**  
6 pieces kit

### FOR HYPERFILTER



CODE

**36-00-0800/PP**  
10 pieces kit

## CNG HOSE REELER



CODE

**SC00403**  
FOR CNG 5/10/14/19

## 4.5 M - 117 FT HOSE



CODE

**24-06-020**  
FOR CNG 5/10/14/19

## REFUELING NOZZLE



NGV1 INTERNATIONAL TK4

CODE

ADATTATORE/TK4

## OIL FILTER



CODE

36-06-006  
FOR CNG 20-24

SC000688  
FOR CNG 20-24

## SYNTHETIC COLTRI OIL ST 755

CODE

SC000871  
1 litre

SC000872  
5 litres

- Fully synthetic oil with high viscosity index
- Excellent performance at high and low temperature



## MOLECULAR SIEVE

CODE

SC000380  
1 litre

CODE

SC000763  
5 litres



For more information, please  
contact us or visit our web-site

 [www.bergas.mk](http://www.bergas.mk)  
 [contact@bergas.mk](mailto:contact@bergas.mk)

