

# Efficient line Prime line

Filling stations

# Efficient line

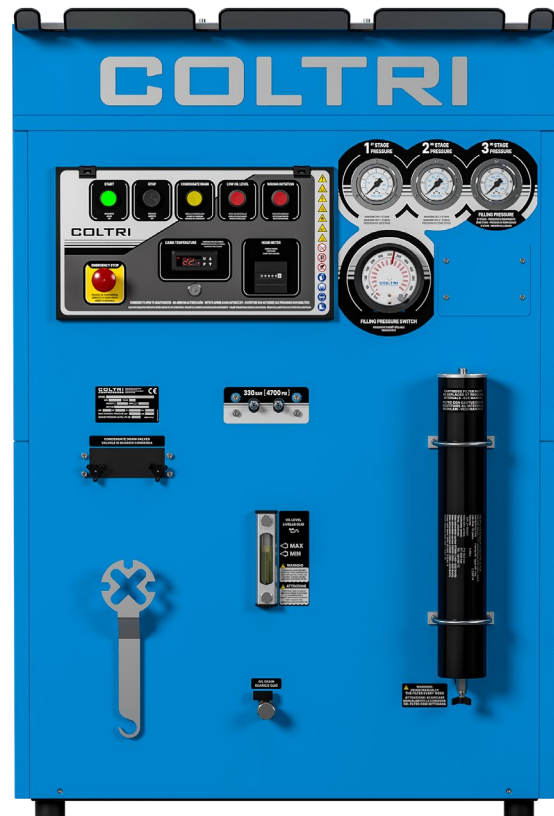
- Intercooler 10mm Ø
- 1 Maxifilter filtration system
- Splash lubrication
- Electromechanical pressure switch
- Frame color Blu RAL 5002 (Mark III Silent and Super Silent)
- Charging rate max 315 l/min



Ergo



Mark III Silent



Super Silent



# Prime line

- Intercooler 12mm Ø
- 2 Hyperfilter filtration system
- Oil pump with filter and pressure gauge
- Electronic pressure switch
- Frame color Blu RAL 5002
- Charging rate max 380 l/min



Ergo TPS



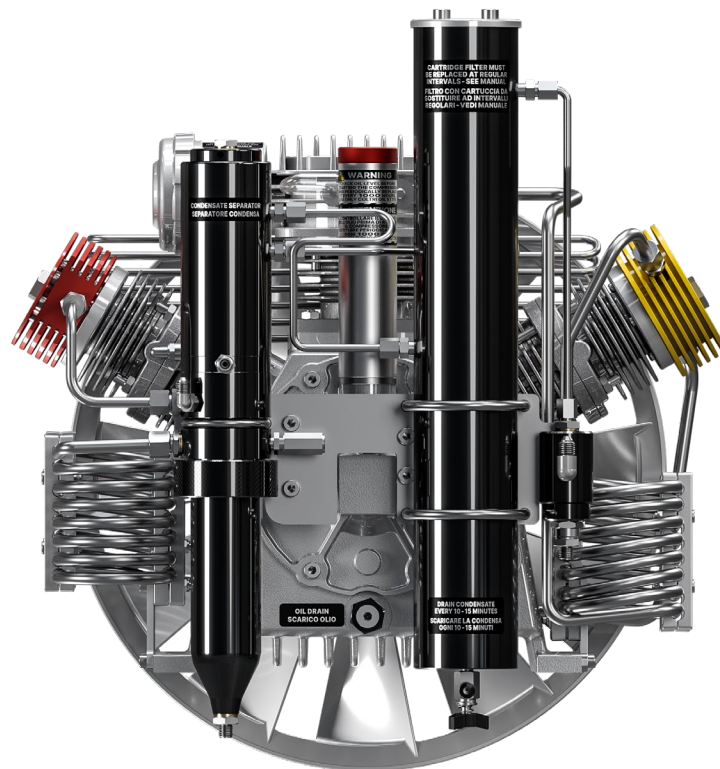
Mark III Silent TPS



Super Silent TPS

# Efficient line

## Pumping units



## MCH 16

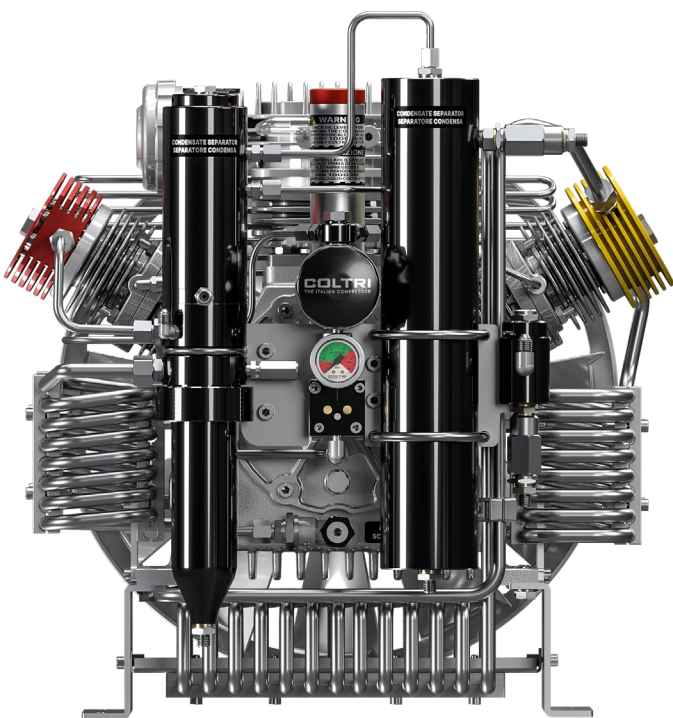
(GP 315)

from 210 l/min to 330 l/min



# Prime line

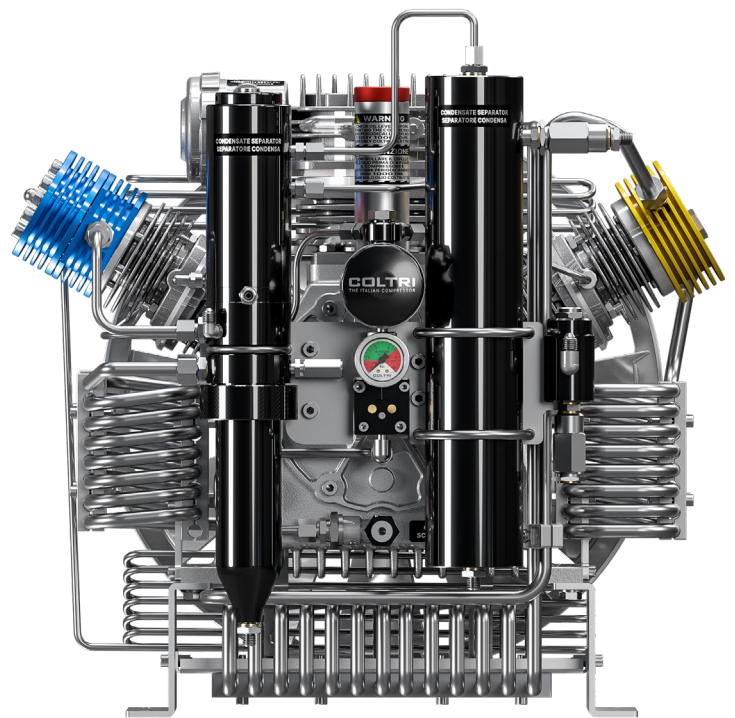
## Pumping units



### MCH 16 TPS

(GP 315 TPS)

from 210 l/min to 315 l/min



### MCH 23 TPS

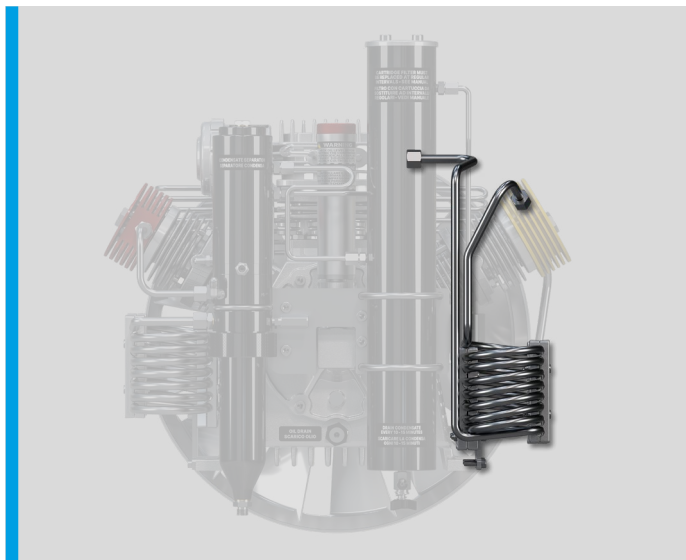
(GP 380 TPS)

from 345 l/min to 380 l/min

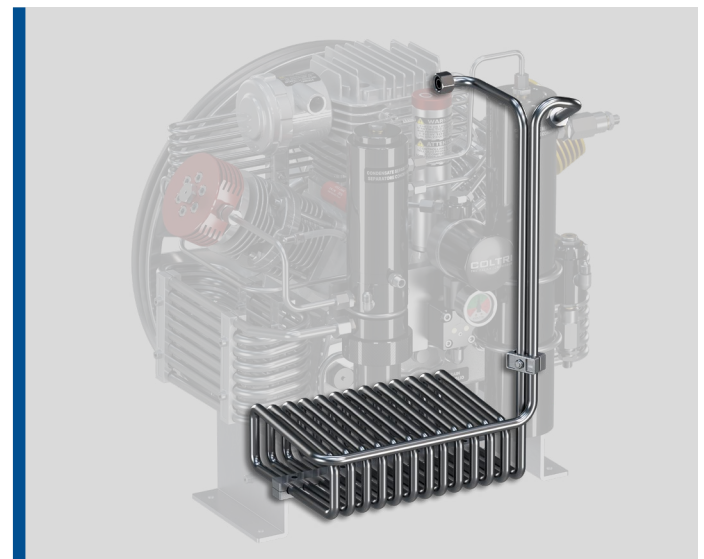
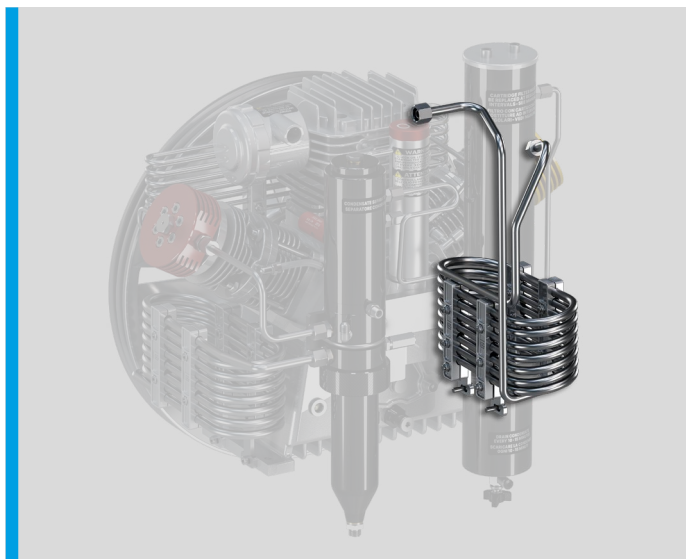
# Surface of the increased 1<sup>st</sup> stage interstage exchangers

The exchanger after the first stage goes from 6 meters of 10 mm pipe to 7 meters of 12 mm pipe.

## Efficient line



## Prime line



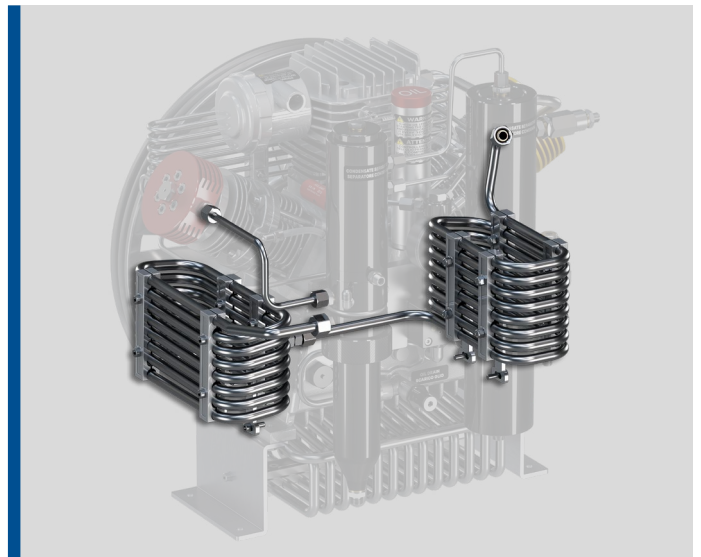
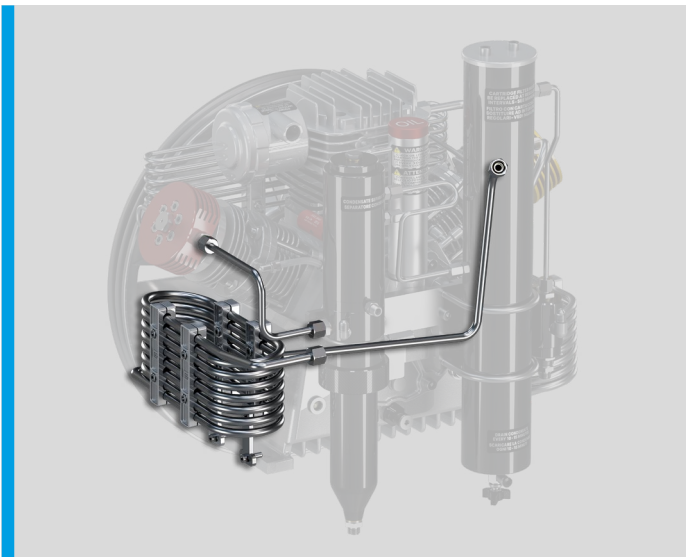
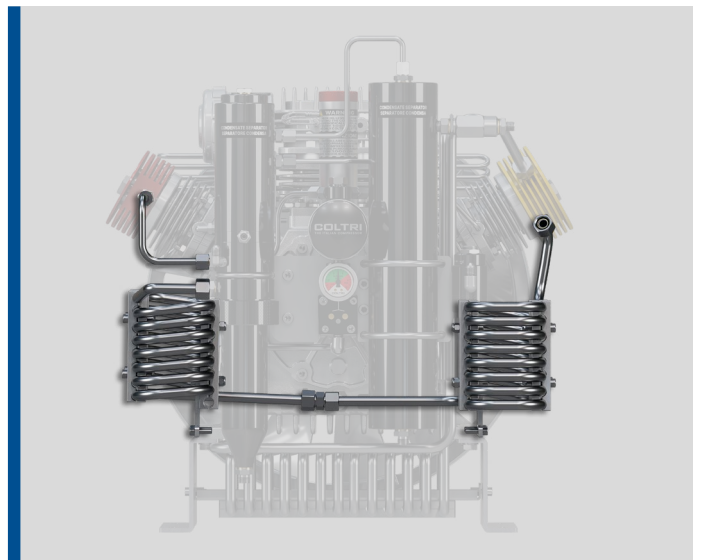
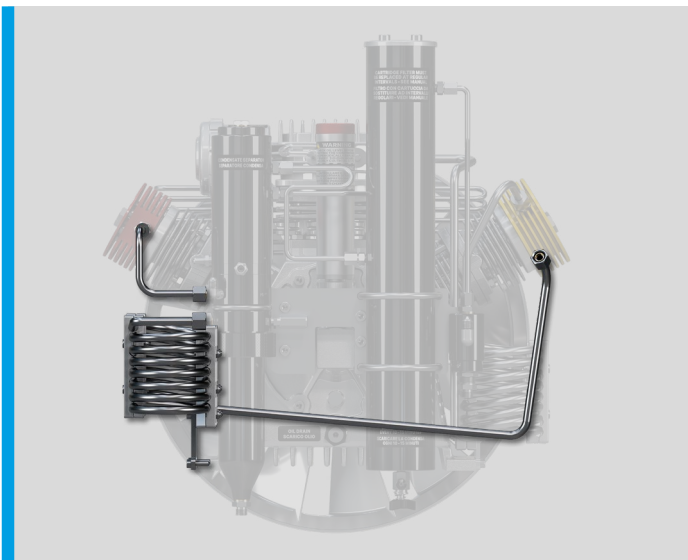


# Surface of the increased 2<sup>nd</sup> stage interstage exchangers

The exchanger after the first stage goes from 6 meters of 10 mm pipe to 7 meters of 12 mm pipe.

## Efficient line

## Prime line

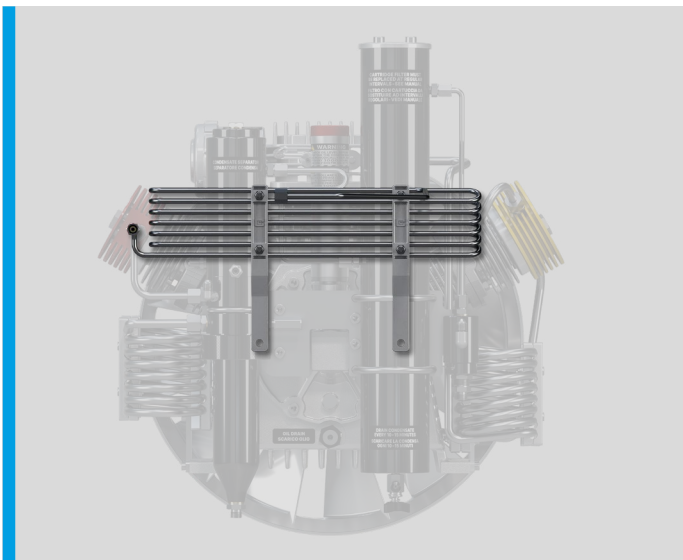


# Surface of the increased 3<sup>rd</sup> stage interstage exchangers

The exchanger after the third stage from 6 meters of 6 mm pipe on the G.P. 315 l/min. becomes 12 meters of 8 mm pipe for the G.P. 380 l/min.

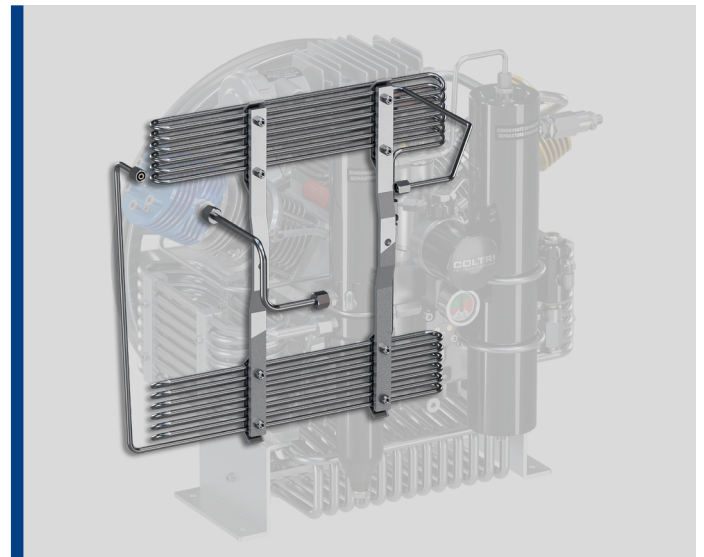
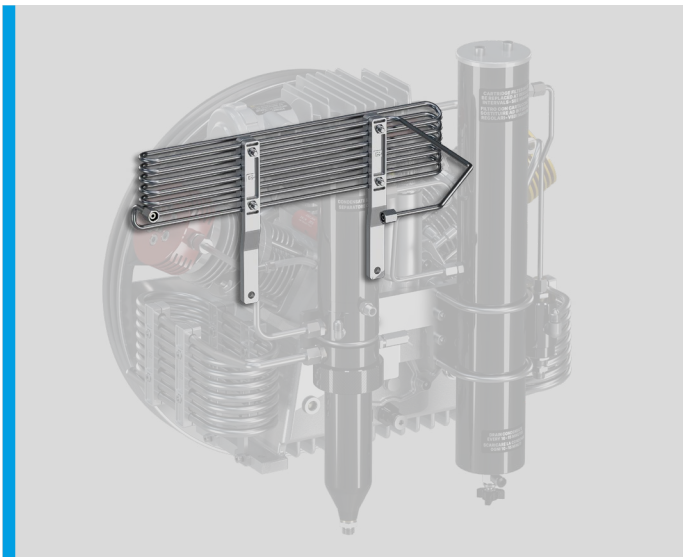
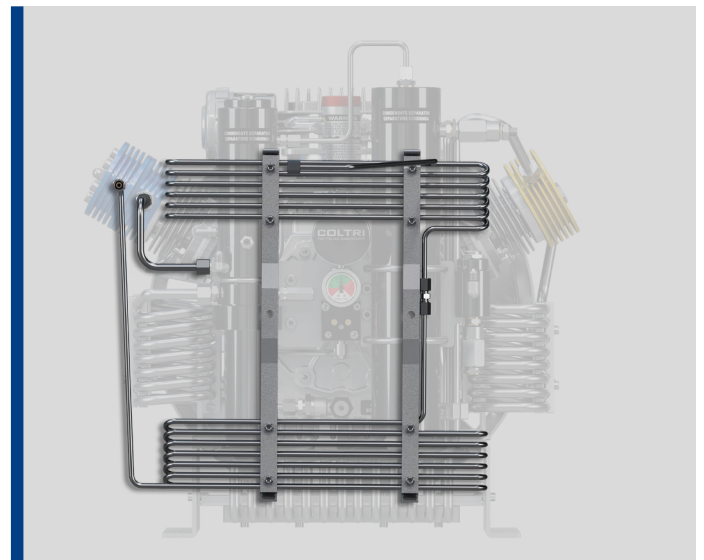
## Efficient line

MCH 16 - GP 315 l/min



## Prime line

MCH 23 TPS - GP 380 l/min

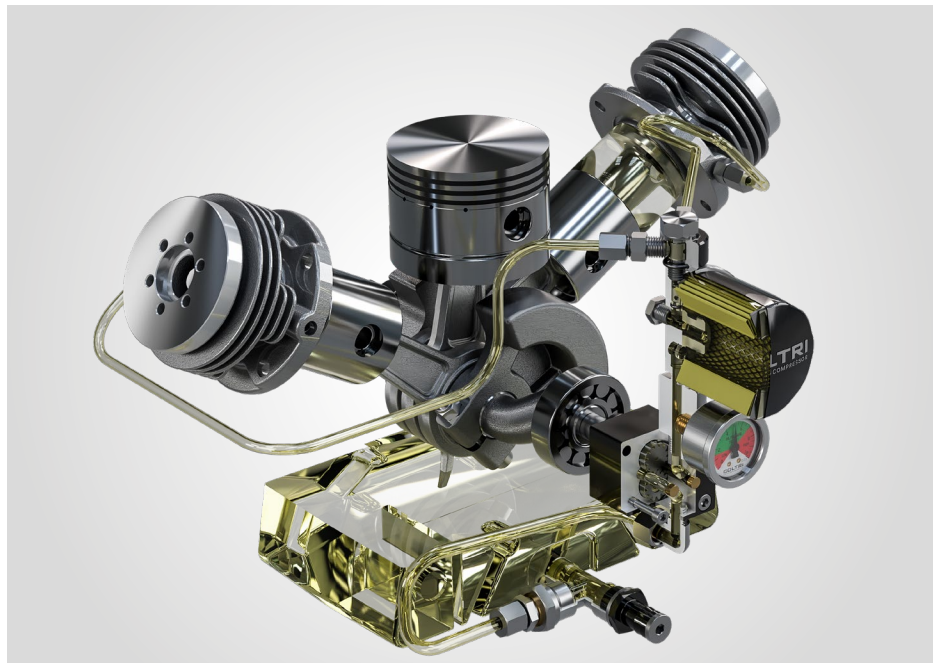




# The Prime line increases the efficiency of lubrication

The pumping units MCH 16 TPS and MCH 23 TPS are equipped with with a low-pressure gear pump and a filter for oil recirculation and cleaning. and cleaning of the oil, thus increasing the efficiency of lubrication.

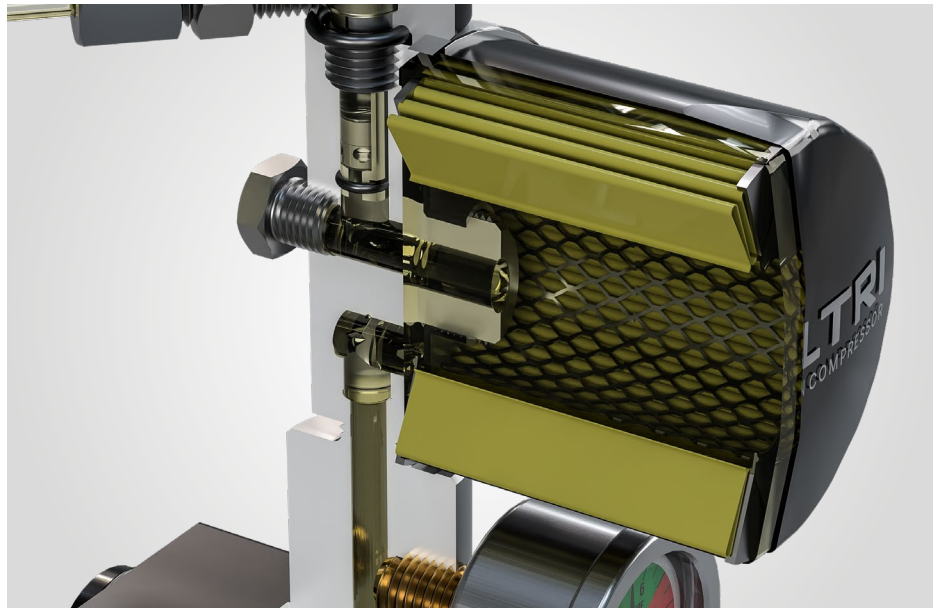
Exhaust, pipe, pump



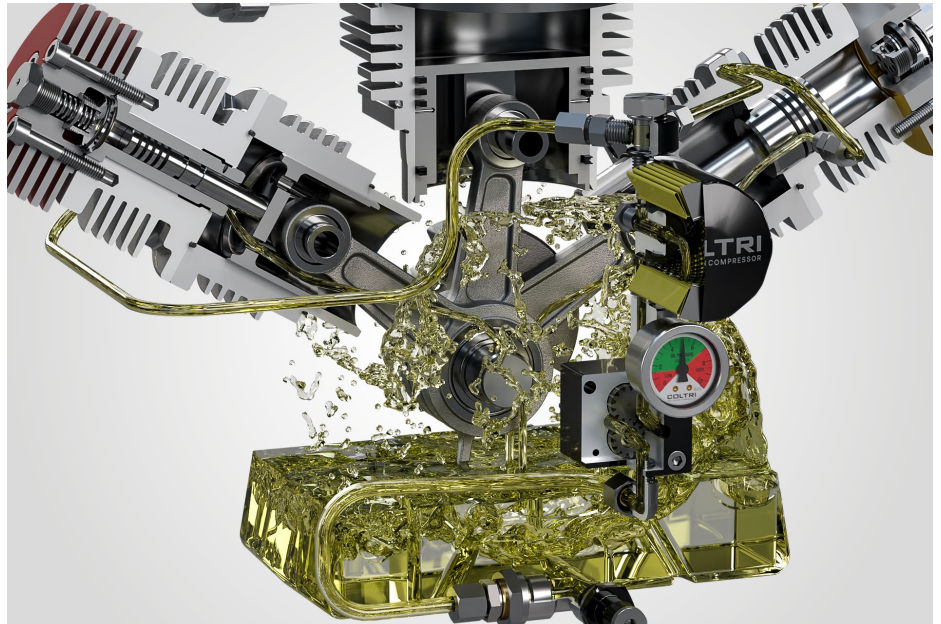
Manometer with display  
lubricating oil flow



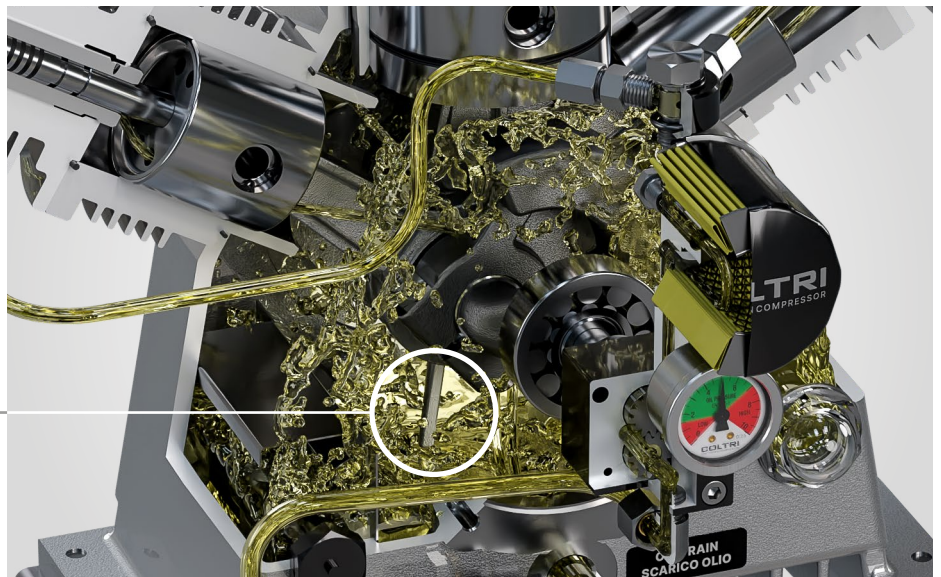
## Oil pump



## Circuit of lubrication 2<sup>nd</sup> and 3<sup>rd</sup> Stage

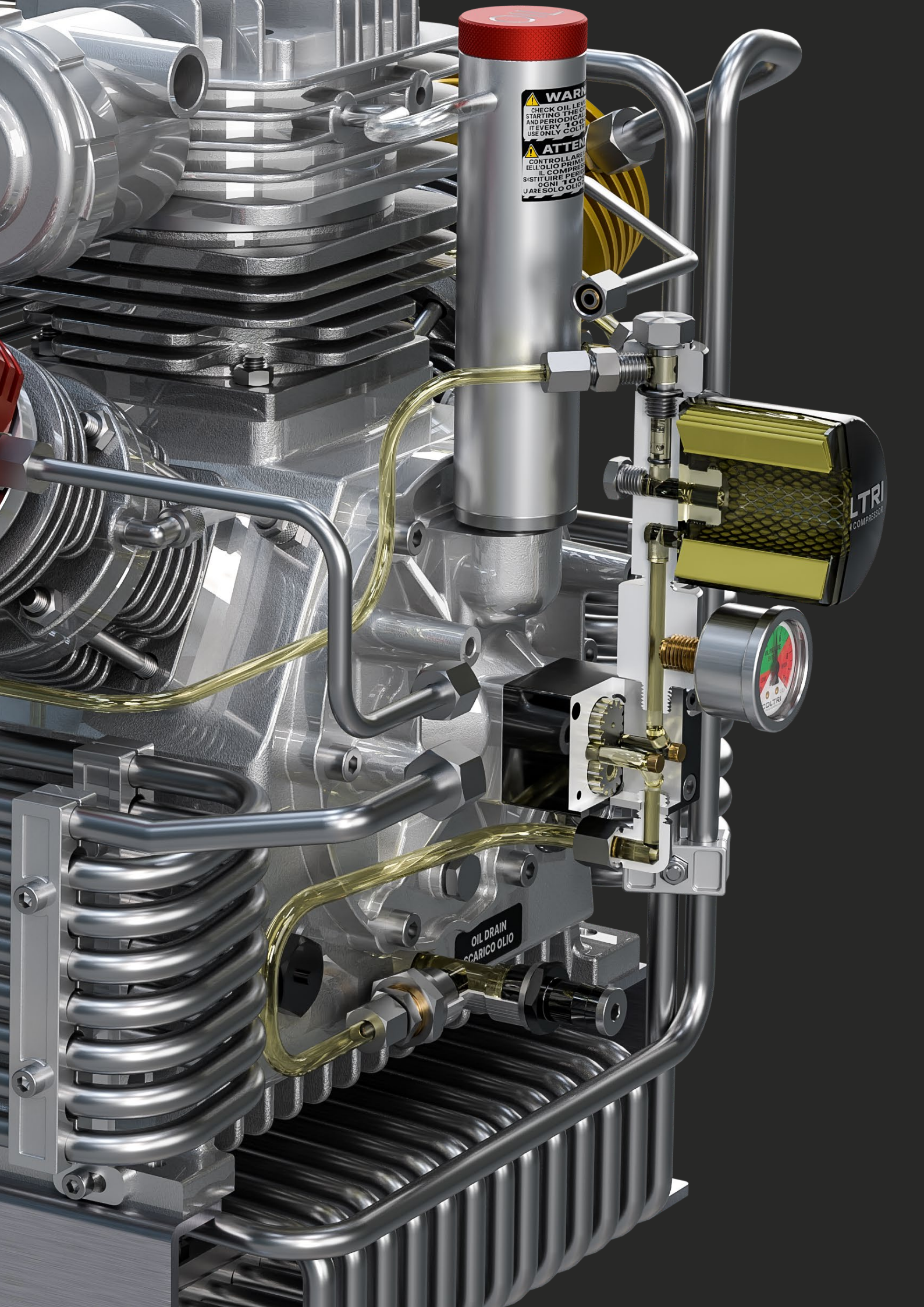


## Lubrication packing



## Splash lubrication with immersed tang



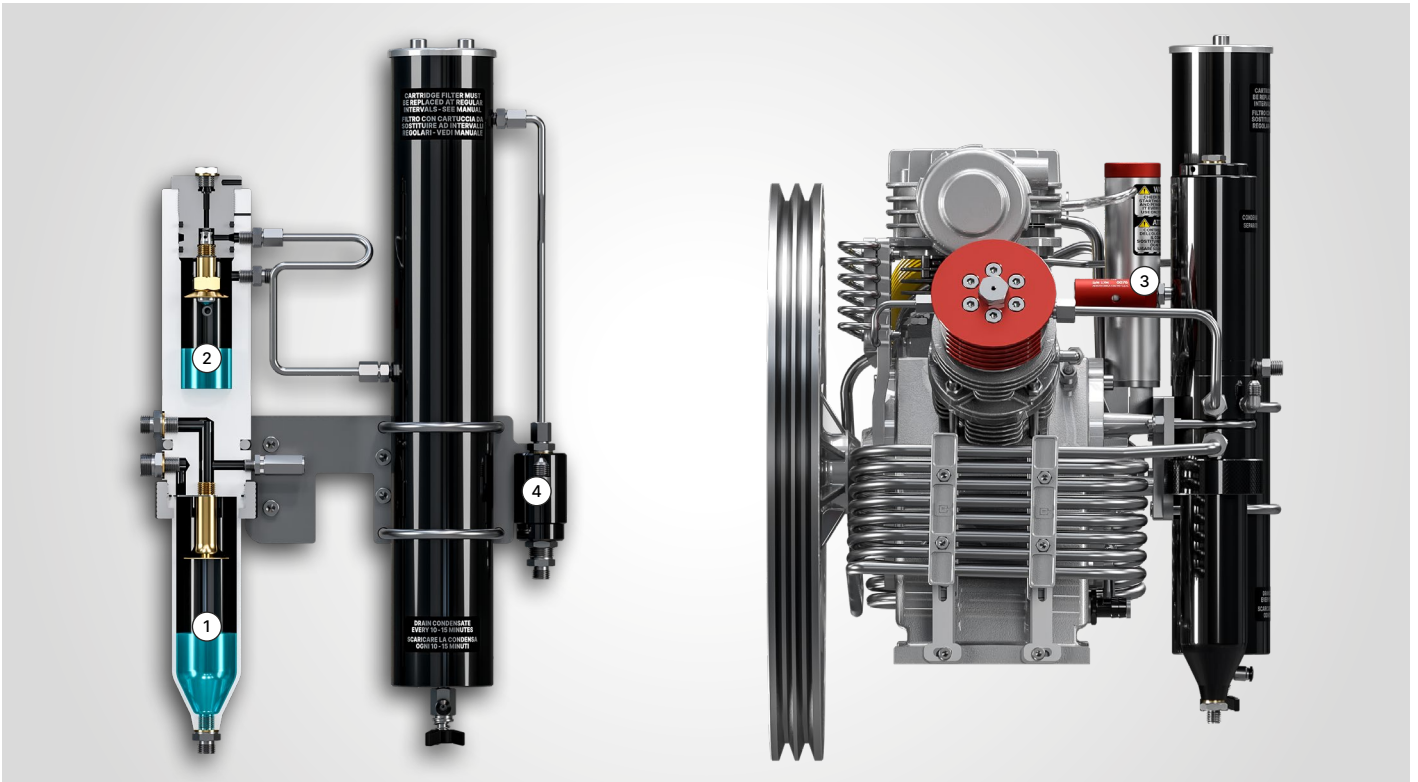




## Efficient line

# Separator system

- ① Interstage separator after 2<sup>nd</sup> stage ,stainless steel AISI 316
- ② Final separator for the removal of oil/water condensate
- ③ Final safety valve, fitted to separator housing
- ④ Pressure maintaining/non return valve, fitted to filter bracket



Contamination	Maximum content as per DIN EN 12021:2014	Air quality*
H <sub>2</sub> O	25 mg/m <sup>3</sup>	≤ 10 mg/m <sup>3</sup>
CO	5 ppm(v)	≤ 4
CO <sub>2</sub>	500 ppm(v)	≤ 500
Oil	0,5 mg/m <sup>3</sup>	≤ 0,5 mg/m <sup>3</sup>

\* Measured at our facility using ASCO HORA 160 ANALYZER.

1 Only with special filter cartridge with HOPCALITE CO CATALYST. and up to a maximum concentration of 25 ppm CO in intake air. The compressed clean breathing air then contains a maximum of 5 ppm CO.

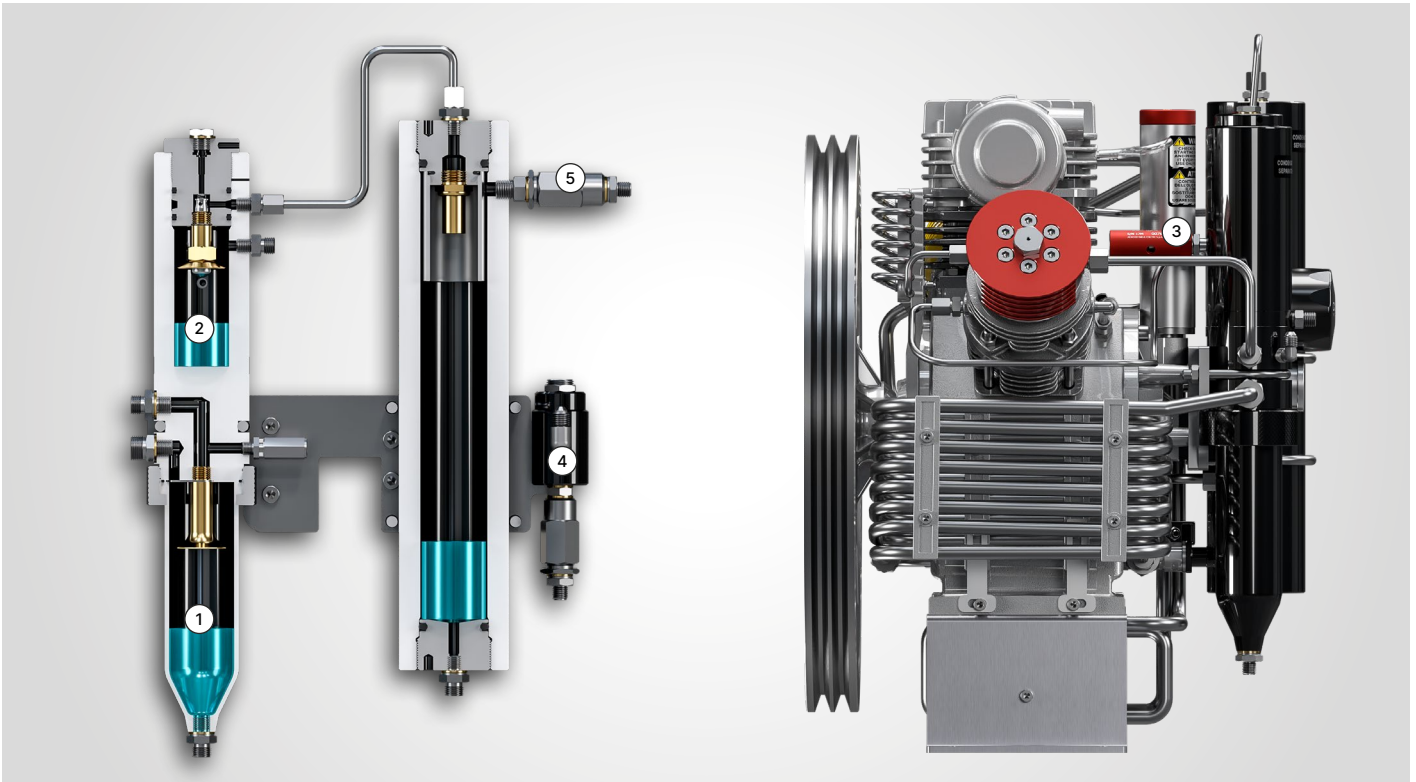
2 The level of CO<sub>2</sub> in the intake air must not exceed the maximum level of CO<sub>2</sub> as per EN 12021:2014



## Prime line

# Separator system

- ① Interstage separator after 2<sup>nd</sup> stage, forged and anodized aluminum
- ② Double final separator for removal of oil/water condensate
- ③ Final safety valve, fitted to separator housing
- ④ Pressure maintenance valve
- ⑤ Final safety valve, mounted on the separator housing



Contamination	Maximum content as per DIN EN 12021:2014	Air quality*
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The compressed clean breathing air then contains a maximum of 5 ppm CO.

2 The level of CO<sub>2</sub> in the intake air must not exceed the maximum level of CO<sub>2</sub> as per EN 12021:2014

Efficient line

# Purification system MAXIFILTER



Purification system	Maxifilter
Operating pressure (Standard)	250 bar / 330 bar / 360 bar
Operating pressure max. (PS)	420 bar
Processable air capacity (air inlet temperature in the filter 20° C at 300 bar) <sup>1</sup>	890 m <sup>3</sup>

<sup>1</sup> When using a filter cartridge without HOPCALITE CO CATALYST.

When using a cartridge with CO-removal, the processable air capacity is reduced by ca. 20%.

Prime line

# Purification system HYPERFILTER

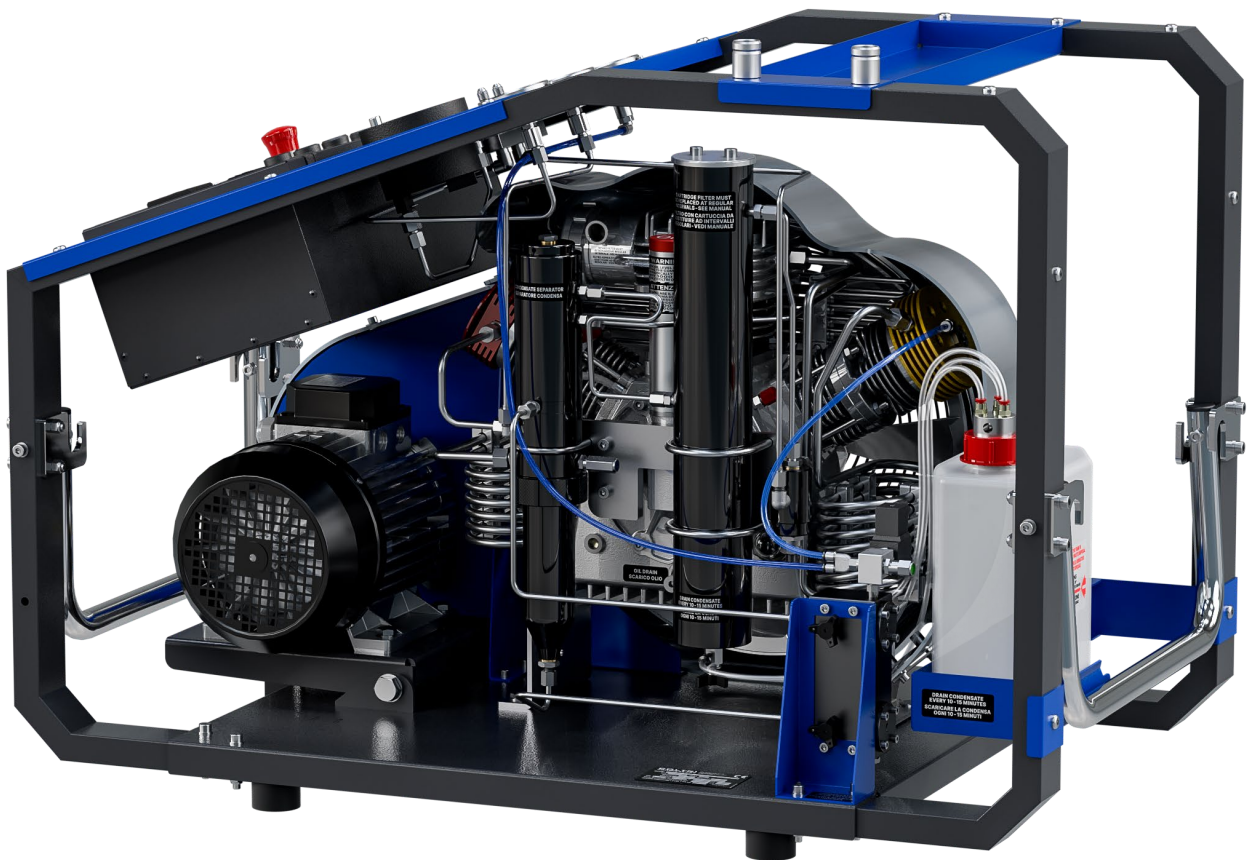


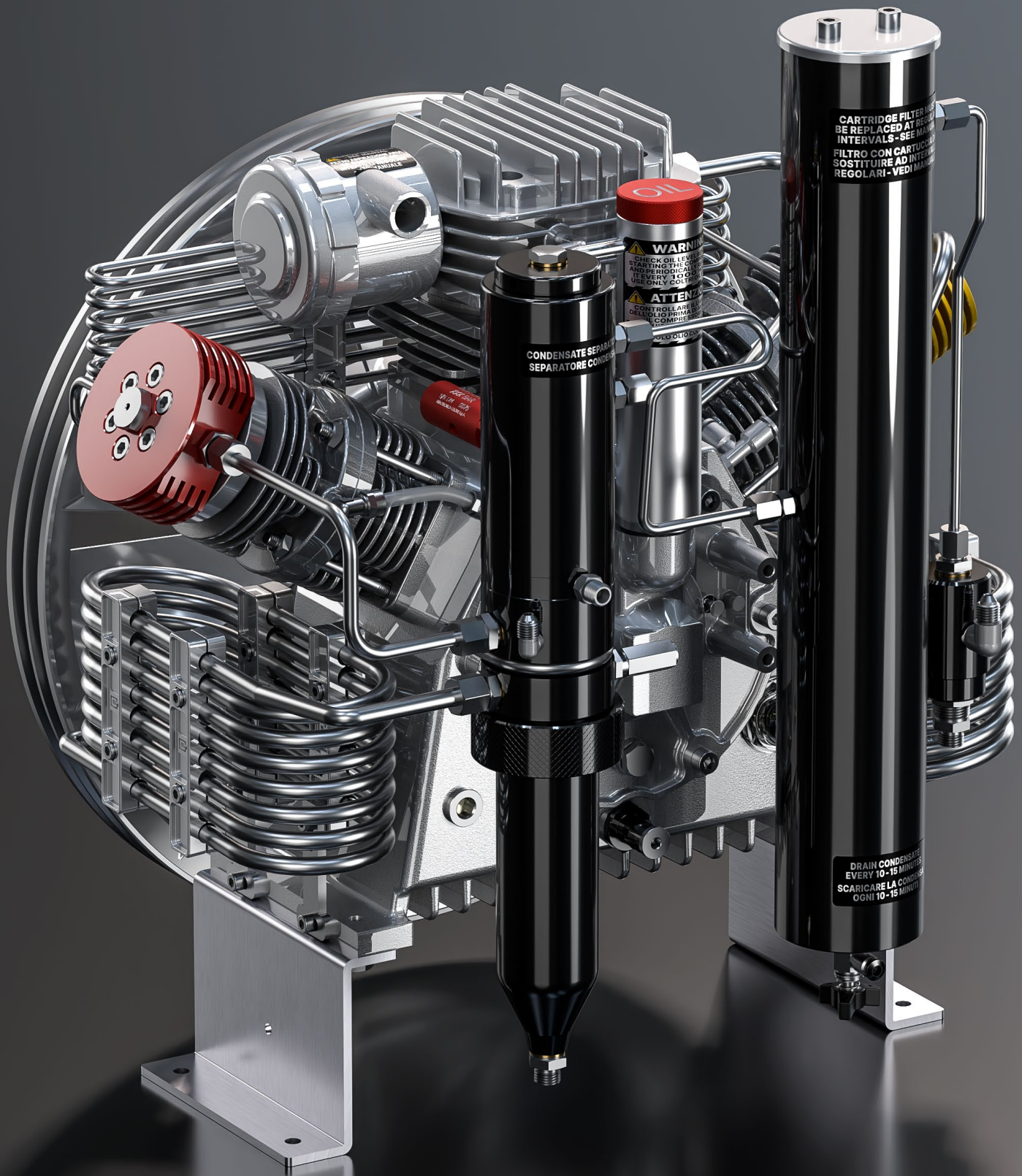
Purification system	Hyperfilter x 2
Operating pressure (Standard)	250 bar / 330 bar / 360 bar
Operating pressure max. (PS)	420 bar
Processable air capacity (air inlet temperature in the filter 20° C at 300 bar) <sup>1</sup>	3.050 m <sup>3</sup>

<sup>1</sup> When using a filter cartridge without HOPCALITE CO CATALYST.  
When using a cartridge with CO-removal, the processable air capacity is reduced by ca. 20%.



# The Efficient line is designed for intuitive ease of use.





**MCH 16**  
(GP 315)



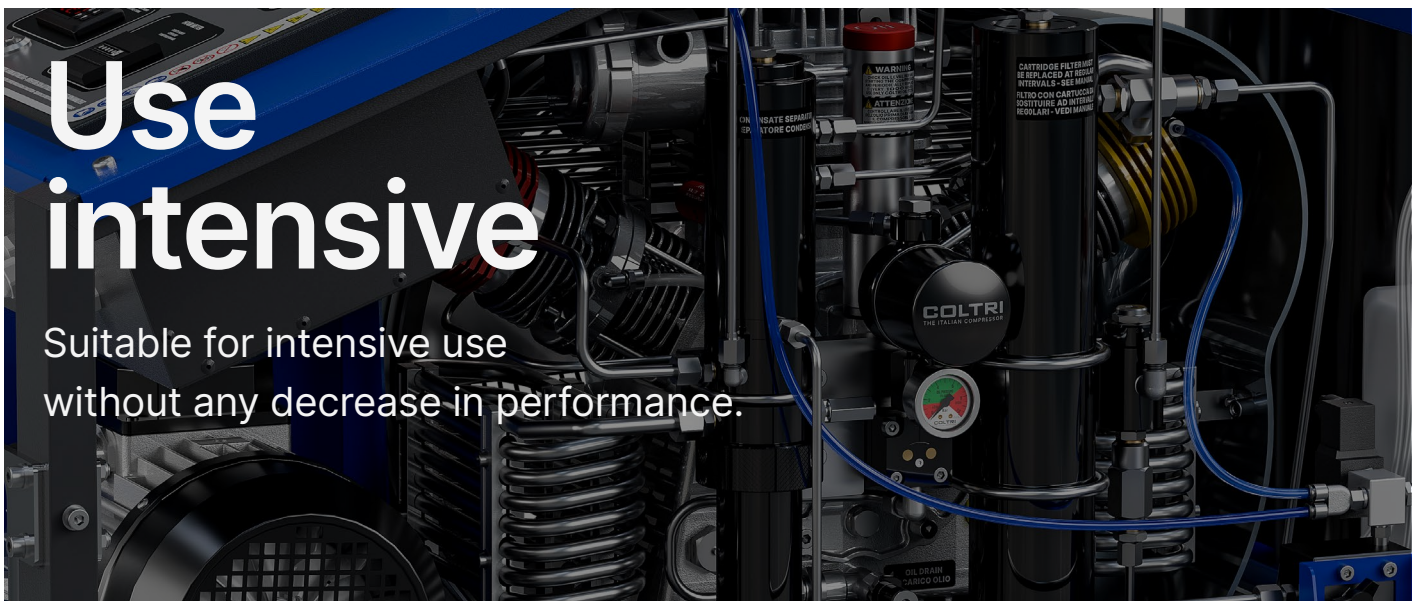
# The Prime line is designed for heavy-duty commitments.

## High temperatures

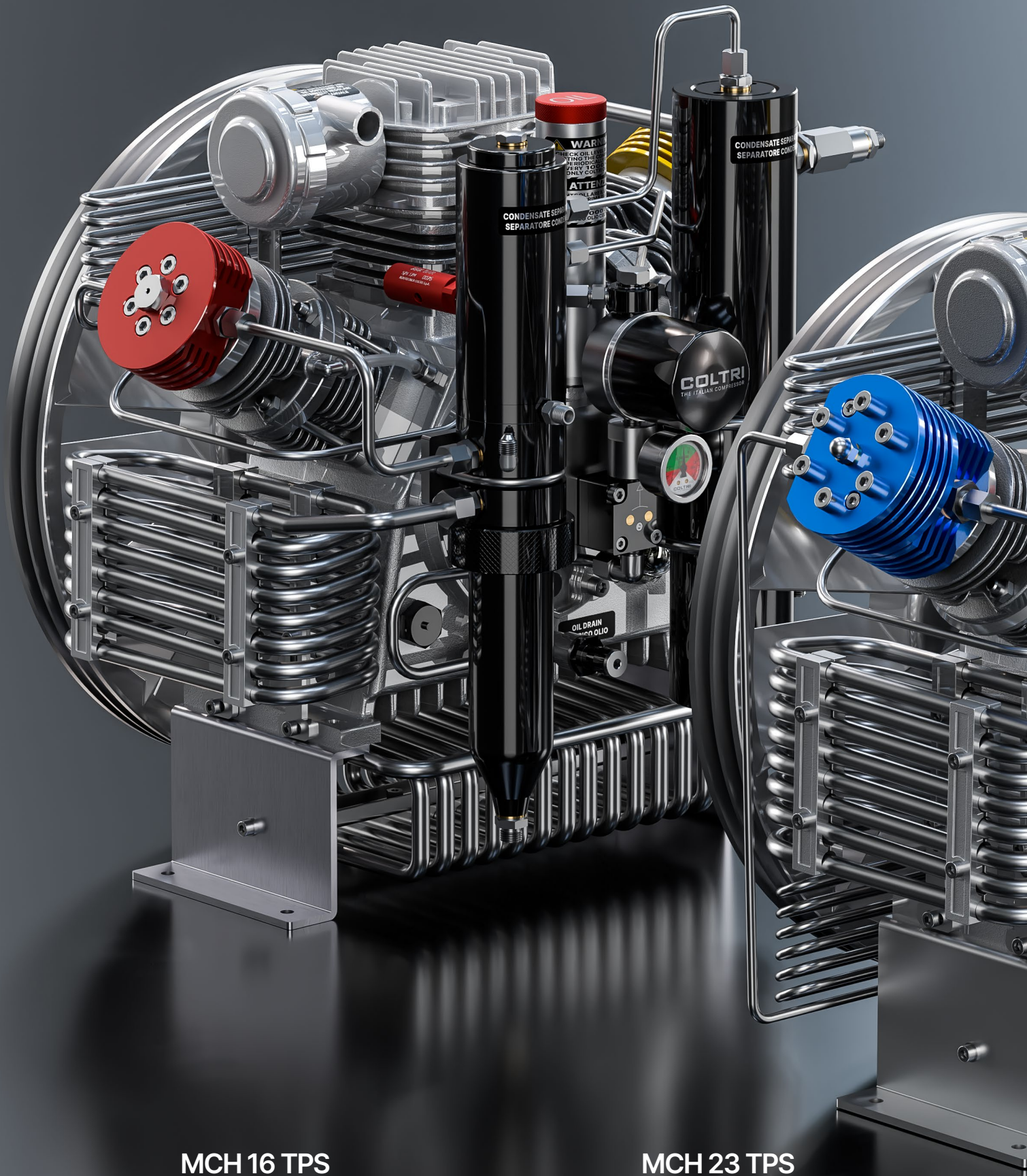
Designed to work in environments  
with high temperature and humidity.

## Use intensive

Suitable for intensive use  
without any decrease in performance.







**MCH 16 TPS**  
(GP 315 TPS)

**MCH 23 TPS**  
(GP 380 TPS)

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