

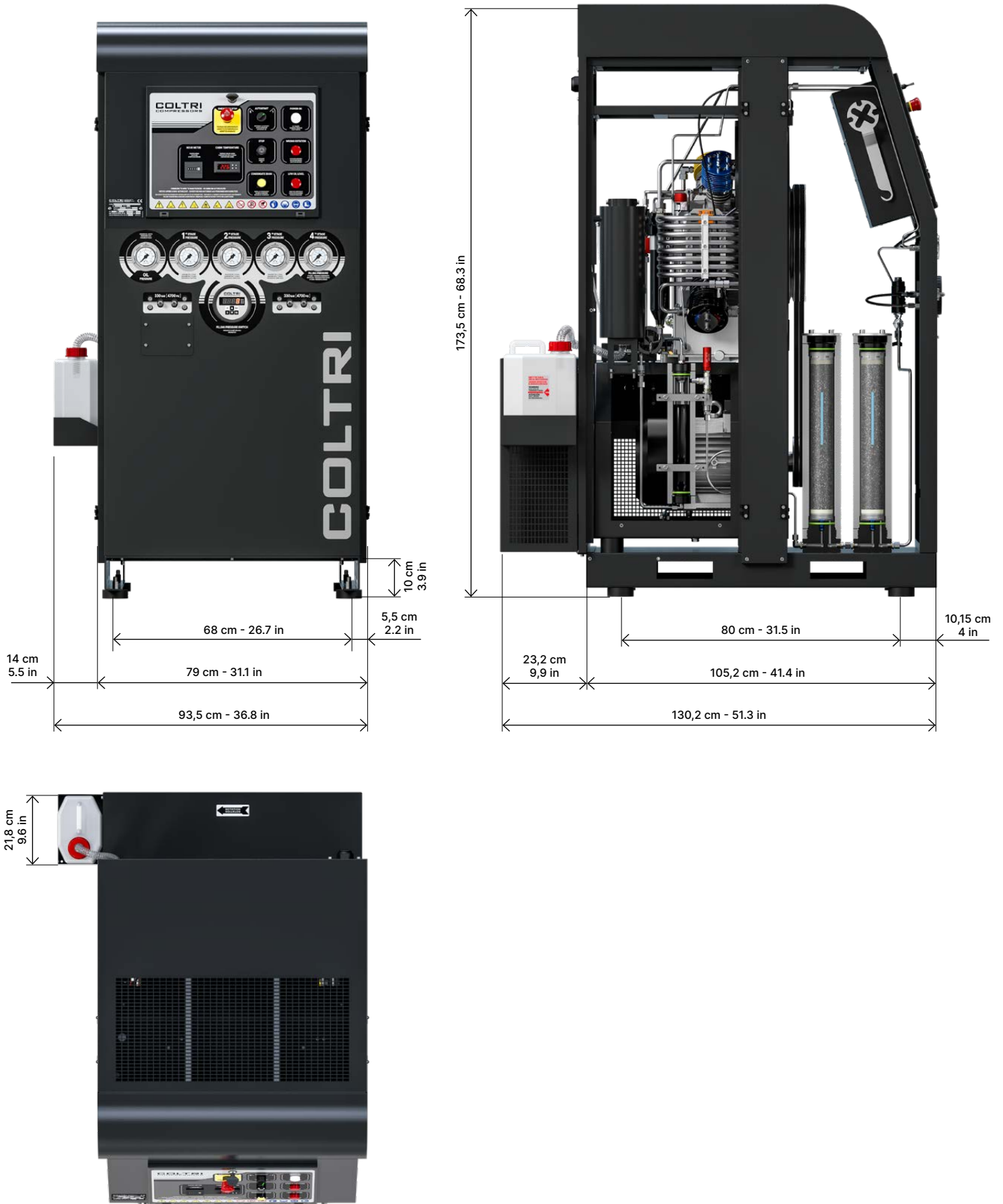
BOOSTER LINE

ACE VI ZERO LOSS



Contact

Top performance, minimal noise



Technical data

Type of gas	Air - Nitrogen
Intake pressure	Min. 2 bar Max. 5 bar
Working pressure	232 bar / 300 bar
Max working pressure	420 bar
Permissible ambient temperature range	-10° C ÷ +40° C
Permissible altitude	0 ÷ 1.500 m SLM
Max permissible tilt	15°
Oil	Synthetic Coltri Oil ST 755
Oil change interval	1 year / 1.000 h
Frame	Steel - Colour Black RAL 9005 - Powder coating painting - Scratch proof

Compressor

	11 KW	15 KW
Flow rate	Min. 250 - Max. 620 l/min Min. 15 - Max. 37 m³/h Min. 8.8 - Max. 21.9 cfm	Min. 280 - Max. 690 l/min Min. 17 - Max. 41.4 m³/h Min. 9.9 - Max. 24.4 cfm
Purification System	2 Hyperfilter with activated carbon	
Cooling air flow	3.960 m³/h	4.450 m³/h
Weight ¹	373 kg - 943 lb	463 kg - 1.020 lb
Dimensions (W x D x H) ¹	93,5 × 130,2 × 175,3 cm - 36.8 × 51.3 × 68.3 in	

¹ Standard model. Dimensions and weight may vary depending on accessories.

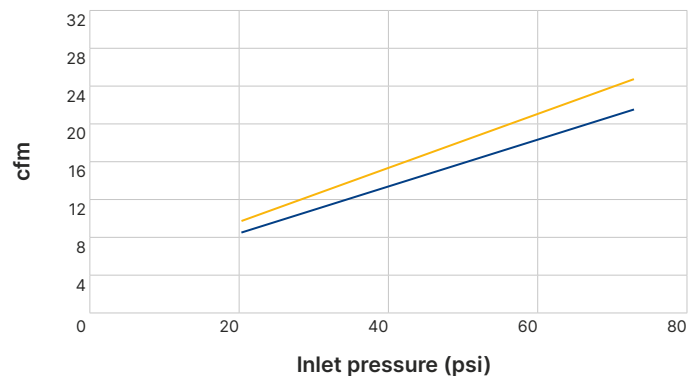
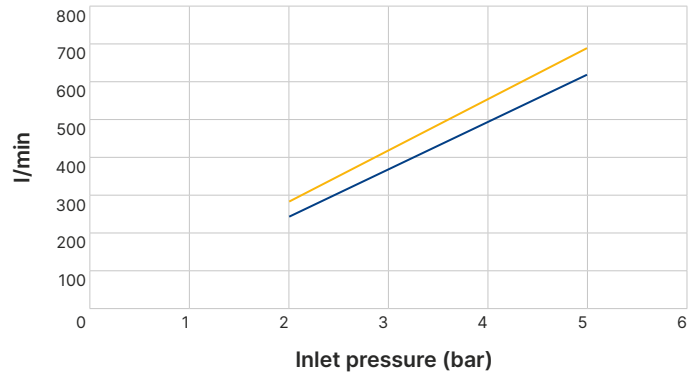
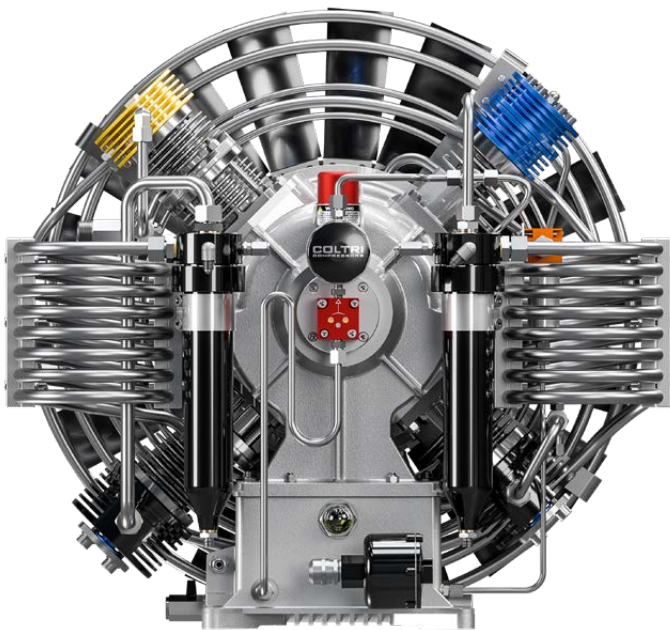
Electric motor

	11 KW		15 KW	
Type	Three-phase electric			
Power	11 kW - 15 Hp		15 kW - 20 Hp	
Operating voltage/frequency <small>Different voltage / frequency available on request.</small>	400 V - 50 Hz	440 V - 60 Hz	400 V - 50 Hz	440 V - 60 Hz
Rated current	23 A		31 A	
Speed (RPM)	2.910	3.500	2.920	3.500
Protection class	IP55			

The IP55 protection class, compliant with IEC 60034-5, guarantees protection against dust deposits and water jets from any direction.

Technical data pumping unit MCH 36

	11 KW	15 KW
Intake pressure	Min. 2 bar Max. 5 bar	
Flow rate	Min. 250 - Max. 620 l/min Min. 15 - Max. 37 m ³ /h Min. 8.8 - Max. 21.9 cfm	Min. 280 - Max. 690 l/min Min. 17 - Max. 41.4 m ³ /h Min. 9.9 - Max. 24.4 cfm
Speed (RPM)	1.250	1.400
Number of stages	3 + 1 service	
Number of cylinders	3 + 1 service	
Cylinder bore 2nd stage	60 mm	
Cylinder bore 3rd stage	32 mm	
Cylinder bore 4th stage	15 mm	
Stroke	50 mm	
Direction of rotation from flywheel side	Counter clockwise (left)	
Drive type	V-belt A type	
Oil sump capacity	4 liters	



11 KW

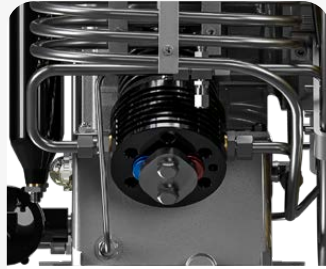
l/min Min. 250 - Max. 620
cfm Min. 8,8 - Max. 21,9

15 KW

l/min Min. 280 - Max. 690
cfm Min. 9,9 - Max. 24,4



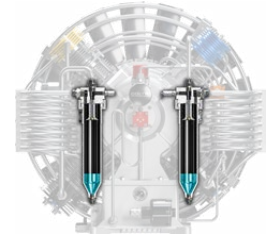
Forced lubrication with low pressure gear pump



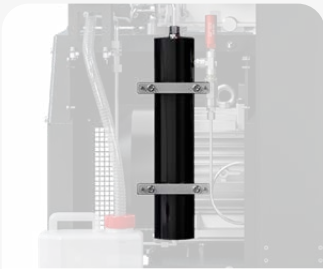
First stage for gas recovery



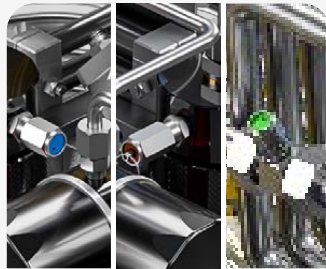
Pipes, fitting and nuts in stainless steel AISI 316



Intermediate condensate separator after the second and third stage



High pressure final condensate separator double effect



Safety valves after each stage of compression



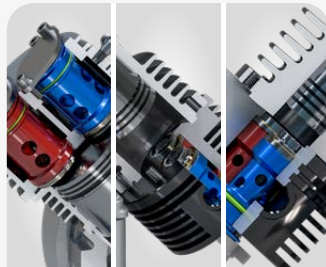
Special cast iron cylinders with low roughness lapping



Forged aluminum connecting rods



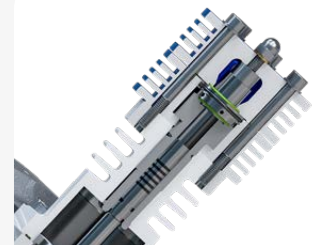
Forged steel crankshaft



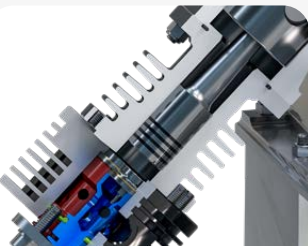
High-flow first, second and third stage valves



Roller Bearings for intensive work



Fourth stage in tempered steel with 6 piston rings in special cast iron



Second, third and fourth stage with pushing pistons to eliminate lateral forces on the pistons



CE certification

Standard equipment

Purification system Hyperfilter for nitrogen

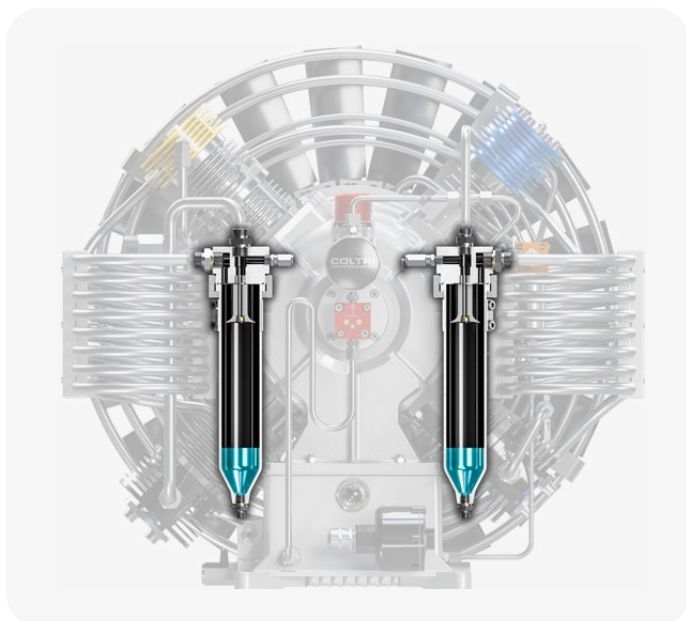
DOUBLE HYPERFILTER regenerable or disposable cartridge



Purification system	Hyperfilter x 2
Operating pressure (Standard)	250 bar / 330 bar / 360 bar
Operating pressure max. (PS)	420 bar
Filtered gas volume (nitrogen) When using a filter cartridge of the type shown in the figure.	52.500 m ³

Condensate separation system

- Interstage separator after 2nd stage, forged and anodized aluminum
- Double final separator for removal of oil/water condensate
- Final safety valve, mounted on the separator housing
- Pressure maintenance valve / non-return valve



Contamination	Maximum content as per DIN EN 12021:2014	Gas quality*
Oil	0,5 mg/m	≤ 0,5 mg/m

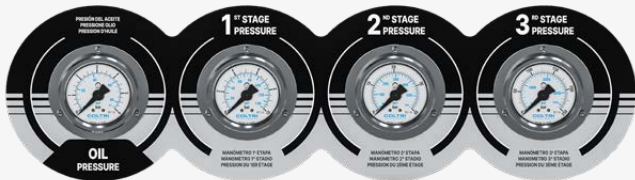
* Measured at our facility using ASCO HORA 160 ANALYZER.
• Reported values exceed ISO 8573-1 standards.



Compressor control and automatic condensate drain system



Electronic pressure switch

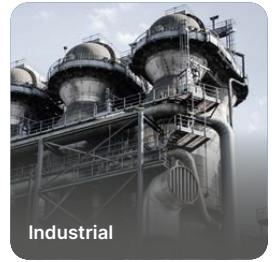
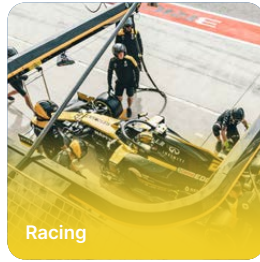


Interstage pressure gauges



Filling hose

Application fields



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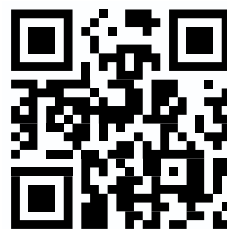
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