



FILLING STATIONS

BREATHING AIR

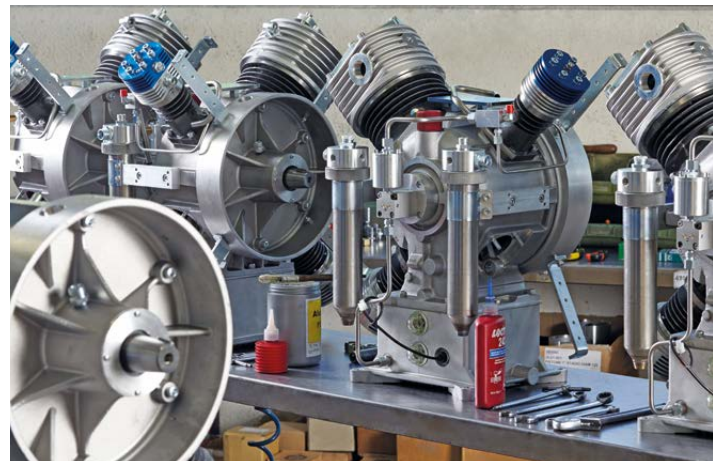
CATALOG 2017

High and low pressure
compressors for pure
breathing air - nitrox and
technical gases

coltri.com

All the components of the pumping units parts are entirely designed and manufactured in the plants of Aerotecnica Coltri® and all compressors are fully assembled in the company's plants as well. The company has constantly evolved in the mechanics industry following the progress of newly designed equipment thus creating more and more reliable products using high-tech instruments like robots and fully electronically activated milling machines.

The capacity to be a leader in the advanced technology of the mechanics industry has given Aerotecnica Coltri® the ability to improve operational quality and the precision of the equipment used for numerically controlled milling. In the workshops of Aerotecnica Coltri® the design of new compressors and/or equipment is focused on the constant quest for highest quality in order to create absolutely reliable and long-lasting products.



The production of high quality mechanical parts in Aerotecnica Coltri® workshops is guaranteed by an efficient quality control system in the production cycle which ensures that the parts meet the specifications as per the design. DEA, our equipment, has a significant role in measuring dimensions since it can detect the geometrical characteristics of the parts and anticipate their behaviour when used as items of more complex components. DEA is capable of taking precise measurements

of objects with extremely variable dimensions and geometrical configurations as well as guaranteeing the manufacture of precise mechanical parts present in Coltri's compressors.

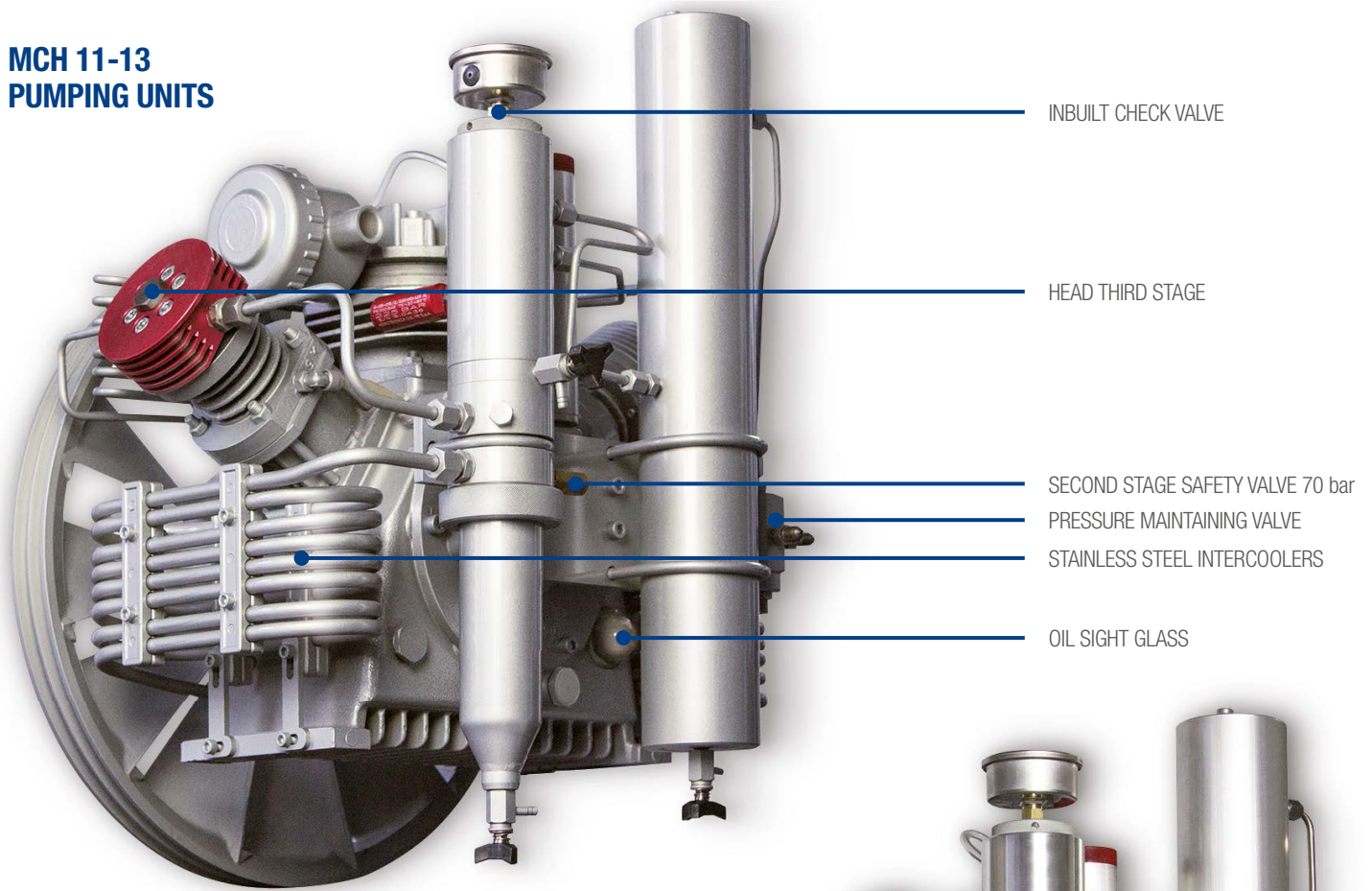
Through a constant monitoring of the products quality standards, Aerotecnica Coltri® obtains the coveted quality certifications UNI EN ISO 9001:2008 and IQNet.

QUALITY

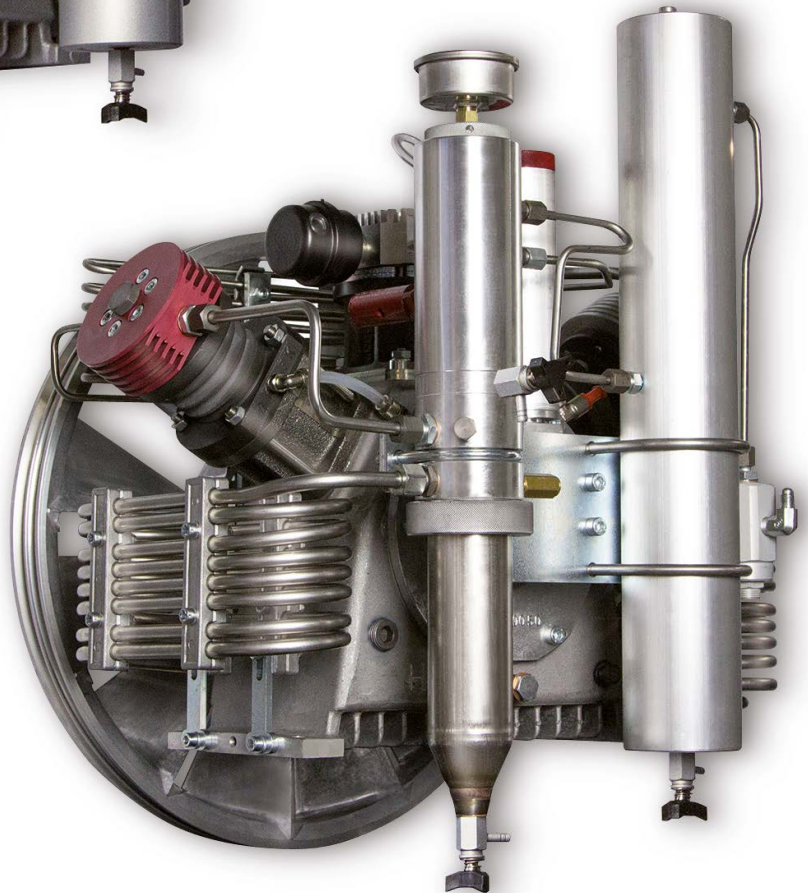


PUMPING UNITS

MCH 11-13 PUMPING UNITS



MCH 8 PUMPING UNIT

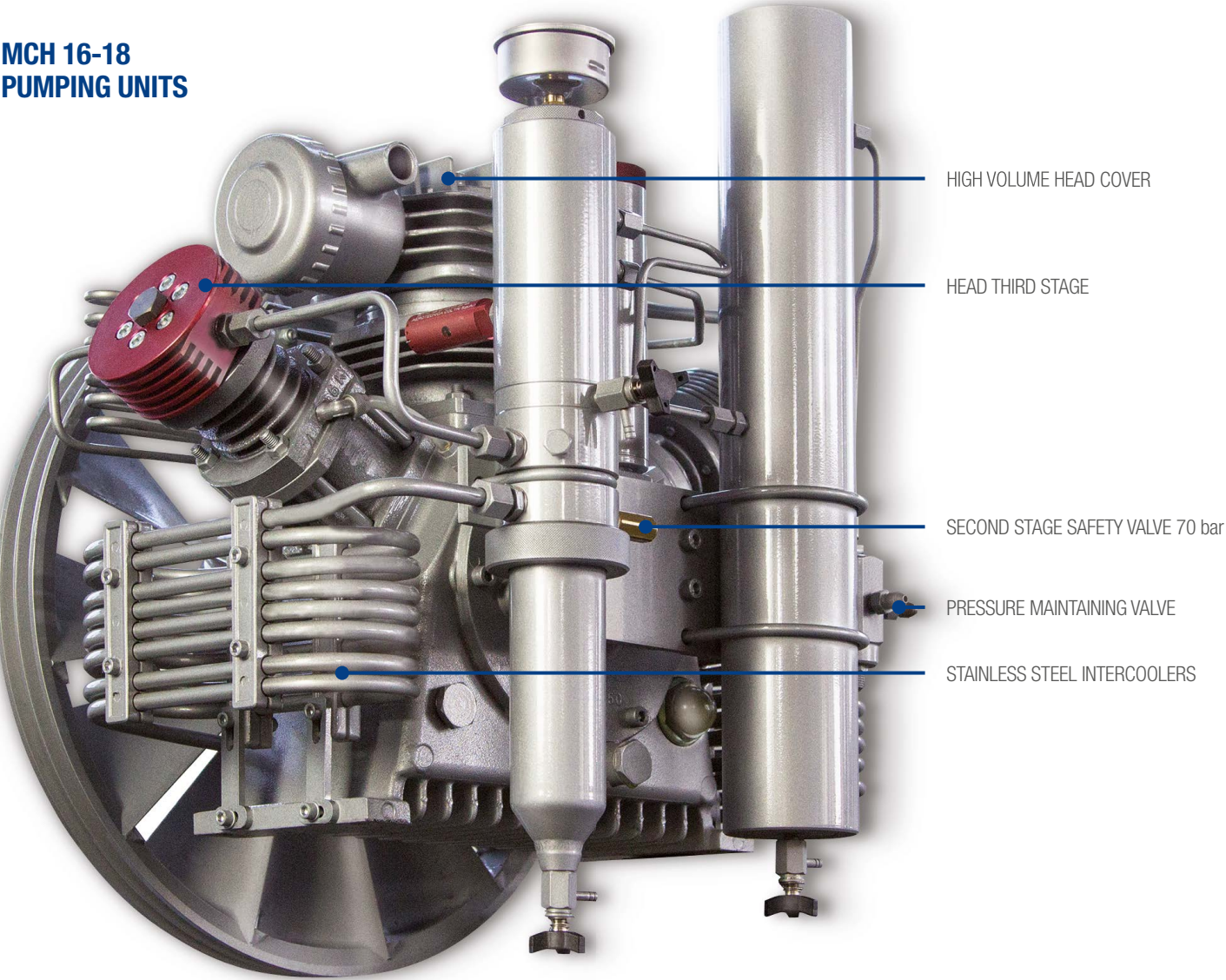


*Based on recharging an 80 cubic foot tank from 500 to 3000 psig

TECHNICAL DATA	MCH 8	MCH 11	MCH 13
CHARGING RATE	135 l/min - 8 m ³ /h 5.5 SCFM* - 4.7 CFM FAD	195 l/min - 11.7 m ³ /h 8 SCFM* - 6.9 CFM FAD	235 l/min - 14.1 m ³ /h 9.7 SCFM* - 8.3 CFM FAD

Generation 3! The constant evolution in time and the high reliability distinguish these pumping units that equip the soldest compressors ever.

MCH 16-18
PUMPING UNITS



*Based on recharging an 80 cubic foot tank from 500 to 3000 psig

TECHNICAL DATA	MCH 16	MCH 18
CHARGING RATE	315 l/min - 18.9 m³/h 13 SCFM* - 11.1 CFM FAD	330 l/min - 19.8 m³/h 13.6 SCFM* - 11.65 CFM FAD

MCH 13 ET COMPACT

MCH 16 ET COMPACT

STANDARD EQUIPMENT

- Automatic condensate drain and autostop
- Electric switchboard with hourmeter
- 2 filling hoses 120 cm length
- 2 valves BC for 232 bar version



CODE SC000470
BC DIN 232 bar



CODE SC000450
BC INT

- 2 valves BC for 300 bar version



CODE SC000460
BC DIN 300 bar

OPTIONAL ACCESSORIES

- Length filling hoses: 1.50 m - 2.0 m - 3.0 m - 4.0 m - 5.0 m - 8.0 m - 10.0 m



TECHNICAL DATA	MCH 13	MCH 16
CODES	SC000201 for 230 V - 50 Hz SC000202 for 230 V - 60 Hz SC000200 for 400 V - 50 Hz SC000209 for 440 V - 60 Hz	SC000261 for 230V - 50Hz SC000262 for 230V - 60Hz SC000260 for 400V - 50Hz SC000271 for 440V - 60Hz
DRIVEN BY	THREE-PHASE ELECTRIC MOTOR	THREE-PHASE ELECTRIC MOTOR
CHARGING RATE PUMPING UNIT	235 l/min - 14.1 m ³ /h - 8.3 CFM FAD	315 l/min - 18.9 m ³ /h - 11.1 CFM FAD
FILLING TIME*	8 min. 30 sec.	6 min. 20 sec.
POWER	4 kW (230/400 V - 50/60 Hz) (440/480 V - 60 Hz)	5,5 kW (230/400 V - 50/60 Hz) (440/480 V - 60 Hz)
WORKING PRESSURE	232 - 330 bar / 3300 - 4700 psig	232 - 330 bar / 3300 - 4700 psig
DIMENSION (W x H x D)	92 x 88 x 61 cm 36.2" x 34.6" x 24"	92 x 88 x 61 cm 36.2" x 34.6" x 24"
NET WEIGHT APPROX.	153 kg / 337 lbs	163 kg / 359 lbs
NOISE LpA	75 dB	75 dB
RPM	1370	1570

*Filling time cylinder 10 l-O/200 bar (measured by filling cylinder from 0 to 200 bar ±5%)

MCH 13 ET COMPACT EVO

MCH 16 ET COMPACT EVO

MCH 18 ET COMPACT EVO



STANDARD EQUIPMENT

- Automatic condensate drain and autostop
- Electric switchboard with hourmeter
- Interstage pressure gauge
- Cabin temperature thermostat/auto shutoff
- Phase controller that prohibits reverse rotation
- Oil level switch/auto shutoff
- 2 filling hoses 120 cm length
- 2 valves BC for 232 bar version



CODE SC000470
BC DIN 232 bar



CODE SC000450
BC INT

- 2 valves BC for 300 bar version



CODE SC000460
BC DIN 300 bar

OPTIONAL ACCESSORIES

- Length filling hoses: 1.50 m - 2.0 m - 3.0 m - 4.0 m - 5.0 m - 8.0 m - 10.0 m

TECHNICAL DATA	MCH 13	MCH 16	MCH 18
CODES	SC000218 for 230V - 50Hz SC000104 for 230V - 60Hz SC000200/EVO for 400V - 50Hz SC000209/EVO for 440V - 60Hz	SC000103 for 230V - 50Hz SC000254 for 230V - 60Hz SC000272 for 400V - 50Hz SC000271/EVO for 440V - 60Hz	SC000110 for 230V - 50Hz SC000111 for 230V - 60Hz SC000112 for 400V - 50Hz SC000113 for 440V - 60Hz
DRIVEN BY	THREE-PHASE ELECTRIC MOTOR	THREE-PHASE ELECTRIC MOTOR	THREE-PHASE ELECTRIC MOTOR
CHARGING RATE PUMPING UNIT	235 l/min - 14.1 m ³ /h - 8.3 CFM FAD	315 l/min - 18.9 m ³ /h - 11.1 CFM FAD	330 l/min - 19.8 m ³ /h - 11.65 CFM FAD
FILLING TIME*	8 min. 30 sec.	6 min. 20 sec.	6 min.
POWER	4 kW (230/400 V - 50/60 Hz) (440/480 V - 60 Hz)	5,5 kW (230/400 V - 50/60 Hz) (440/480 V - 60 Hz)	7,5 kW (230/400 V - 50/60 Hz) (440/480 V - 60 Hz)
WORKING PRESSURE	232 - 330 bar / 3300 - 4700 psig	232 - 330 bar / 3300 - 4700 psig	232 - 330 bar / 3300 - 4700 psig
DIMENSION (W x H x D)	92 x 88 x 61 cm 36.2" x 34.6" x 24"	92 x 88 x 61 cm 36.2" x 34.6" x 24"	92 x 88 x 61 cm 36.2" x 34.6" x 24"
NET WEIGHT APPROX.	153 kg / 337 lbs	163 kg / 359 lbs	163 kg / 359 lbs
NOISE LpA	75 dB	76 dB	76 dB
RPM	1370	1570	1660

*Filling time cylinder 10 l-O/200 bar (measured by filling cylinder from 0 to 200 bar ±5%)

MCH 8 EM COMPACT

MCH 11 EM COMPACT

STANDARD EQUIPMENT

- Automatic condensate drain and autostop
- Electric switchboard with hourmeter
- Number 2 filling hoses 120 cm length
- 2 valves BC for 232 bar version



CODE SC000470
BC DIN 232 bar



CODE SC000450
BC INT

- 2 valves BC for 300 bar version



CODE SC000460
BC DIN 300 bar

OPTIONAL ACCESSORIES

- Length filling hoses: 1.50 m - 2.0 m - 3.0 m - 4.0 m - 5.0 m - 8.0 m - 10.0 m

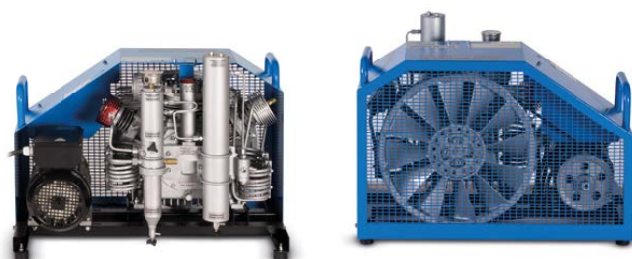


TECHNICAL DATA	MCH 8	MCH 11
CODES	SC00090 for 230V - 50Hz SC00091 for 230V - 60Hz	SC00095 for 230V - 50Hz SC00096 for 230V - 60Hz
DRIVEN BY	SINGLE-PHASE ELECTRIC MOTOR	SINGLE-PHASE ELECTRIC MOTOR
CHARGING RATE PUMPING UNIT	135 l/min - 8 m ³ /h - 4.7 CFM FAD	195 l/min - 11.7 m ³ /h - 6.9 CFM FAD
FILLING TIME*	15 min.	10 min.
POWER	3 kW (230 V - 50/60 Hz)	4 kW (230 V - 50/60 Hz)
WORKING PRESSURE	232 - 300 bar / 3300 - 4300 psig	232 - 300 bar / 3300 - 4300 psig
DIMENSION (W x H x D)	92 x 88 x 61 cm 36.2" x 34.6" x 24"	92 x 88 x 61 cm 36.2" x 34.6" x 24"
NET WEIGHT APPROX.	141 kg / 310 lbs	141 kg / 310 lbs
NOISE LpA	75 dB	75 dB
RPM	1350	1350

*Filling time cylinder 10 l-0/200 bar (measured by filling cylinder from 0 to 200 bar ±5%)

MCH 8 EM STANDARD

MCH 11 EM STANDARD



STANDARD EQUIPMENT

- Number 2 filling hoses 120 cm length
- 2 valves BC for 232 bar version



CODE SC000470
BC DIN 232 bar



CODE SC000450
BC INT

- 2 valves BC for 300 bar version



CODE SC000460
BC DIN 300 bar

OPTIONAL ACCESSORIES

- Automatic switchboard (page 11)
- Length filling hoses: 1.50 m - 2.0 m - 3.0 m - 4.0 m - 5.0 m - 8.0 m - 10.0 m

TECHNICAL DATA	MCH 8	MCH 11
CODES	SC000165 for 230V - 50Hz SC000166 for 230V - 60Hz	SC000185 for 230V - 50Hz SC000186 for 230V - 60Hz
DRIVEN BY	SINGLE-PHASE ELECTRIC MOTOR	SINGLE-PHASE ELECTRIC MOTOR
CHARGING RATE PUMPING UNIT	135 l/min - 8 m ³ /h - 4.7 CFM FAD	195 l/min - 11.7 m ³ /h - 6.9 CFM FAD
FILLING TIME*	15 min.	10 min.
POWER	3 kW (230 V - 50/60 Hz)	4 kW (230 V - 50/60 Hz)
WORKING PRESSURE	232 - 300 bar / 3300 - 4300 psig	232 - 300 bar / 3300 - 4300 psig
DIMENSION (W x H x D)	92 x 88 x 61 cm 36.2" x 34.6" x 24"	92 x 88 x 61 cm 36.2" x 34.6" x 24"
NET WEIGHT APPROX.	107 kg / 235 lbs	107 kg / 235 lbs
NOISE LpA	76 dB	76 dB
RPM	1350	1350

*Filling time cylinder 10 l-0/200 bar (measured by filling cylinder from 0 to 200 bar $\pm 5\%$)

MCH 13 ET STANDARD

MCH 16 ET STANDARD

STANDARD EQUIPMENT

- Number 2 filling hoses 120 cm length
- 2 valves BC for 232 bar version



CODE SC000470
BC DIN 232 bar



CODE SC000450
BC INT

- 2 valves BC for 300 bar version



CODE SC000460
BC DIN 300 bar

OPTIONAL ACCESSORIES

- Automatic switchboard (page 11)
- Length filling hoses: 1.50 m - 2.0 m - 3.0 m - 4.0 m - 5.0 m - 8.0 m - 10.0 m



TECHNICAL DATA	MCH 13	MCH 16
CODES	SC000214 for 230V - 50Hz SC000172 for 230V - 60Hz SC000170 for 400V - 50Hz SC000174 for 440V - 60Hz	SC000231 for 230V - 50Hz SC000232 for 230V - 60Hz SC000230 for 400V - 50Hz SC000234 for 440V - 60Hz
DRIVEN BY	THREE-PHASE ELECTRIC MOTOR	THREE-PHASE ELECTRIC MOTOR
CHARGING RATE PUMPING UNIT	235 l/min - 14.1 m ³ /h - 8.3 CFM FAD	315 l/min - 18.9 m ³ /h - 11.1 CFM FAD
FILLING TIME*	8 min. 30 sec.	6 min. 20 sec.
POWER	4 kW (230/400 V - 50/60 Hz) (440/480 V - 60 Hz)	5,5 kW (230/400 V - 50/60 Hz) (440/480 V - 60 Hz)
WORKING PRESSURE	232 - 330 bar / 3300 - 4700 psig	232 - 330 bar / 3300 - 4700 psig
DIMENSION (W x H x D)	88 x 64 x 48 cm 34.6" x 25" x 18.9"	88 x 64 x 48 cm 34.6" x 25" x 18.9"
NET WEIGHT APPROX.	117 kg / 258 lbs	117 kg / 258 lbs
NOISE LpA	77 dB	77 dB
RPM	1370	1570

*Filling time cylinder 10 l-0/200 bar (measured by filling cylinder from 0 to 200 bar ±5%)

AUTOMATIC SWITCHBOARD FOR STANDARD VERSION THREE-PHASE AND SINGLE-PHASE



CODE	VOLTAGE	USE FOR VERSION	AUTO CONDENSATE DRAIN	PRESSURE GAUGE FOR AUTOMATIC STOP	AUTOSTOP	START STOP	TIMER
SC000500/440/60	440 V/60 Hz	THREE-PHASE	YES	YES	YES	YES	YES
SC000500/400/50	400 V/50 Hz	THREE-PHASE	YES	YES	YES	YES	YES
SC000500/230/60	230 V/60 Hz	THREE-PHASE	YES	YES	YES	YES	YES
SC000500/230/50	230 V/50 Hz	THREE-PHASE	YES	YES	YES	YES	YES
SC000500/M/230/60	230 V/60 Hz	SINGLE-PHASE	YES	YES	YES	YES	YES
SC000500/M/230/50	230 V/50 Hz	SINGLE-PHASE	YES	YES	YES	YES	YES



Full metal case

SC000515/440/60	440 V/60 Hz	THREE-PHASE	YES	NO	NO	YES	YES
SC000515/400/50	400 V/50 Hz	THREE-PHASE	YES	NO	NO	YES	YES
SC000515/230/60	230 V/60 Hz	THREE-PHASE	YES	NO	NO	YES	YES
SC000515/230/50	230 V/50 Hz	THREE-PHASE	YES	NO	NO	YES	YES
SC000515/M/230/60	230 V/60 Hz	SINGLE-PHASE	YES	NO	NO	YES	YES
SC000515/M/230/50	230 V/50 Hz	SINGLE-PHASE	YES	NO	NO	YES	YES



Full metal case

SC000510/440/60	440 V/60 Hz	THREE-PHASE	NO	YES	YES	YES	YES
SC000510/400/50	400 V/50 Hz	THREE-PHASE	NO	YES	YES	YES	YES
SC000510/230/60	230 V/60 Hz	THREE-PHASE	NO	YES	YES	YES	YES
SC000510/230/50	230 V/50 Hz	THREE-PHASE	NO	YES	YES	YES	YES
SC000510/M/230/60	230 V/60 Hz	SINGLE-PHASE	NO	YES	YES	YES	YES
SC000510/M/230/50	230 V/50 Hz	SINGLE-PHASE	NO	YES	YES	YES	YES

MCH 13 ETS SUPER SILENT EVO

MCH 16 ETS SUPER SILENT EVO

MCH 18 ETS SUPER SILENT EVO

STANDARD EQUIPMENT

- Automatic condensate drain and autostop
- Electric switchboard with hourmeter
- Interstage pressure gauge
- Cabin temperature thermostat/auto shutoff
- Phase controller that prohibits reverse rotation
- Oil level switch/auto shutoff
- Maxifilter filtration
- 2 filling hoses 120 cm length
- 2 valves BC for 232 bar version



CODE SC000470
BC DIN 232 bar



CODE SC000450
BC INT

- 2 valves BC for 300 bar version



CODE SC000460
BC DIN 300 bar

OPTIONAL ACCESSORIES

- Final hp Refrigerator RF 500 on demand (page 28)
- Length filling hoses: 1.50 m - 2.0 m - 3.0 m - 4.0 m - 5.0 m - 8.0 m - 10.0 m



TECHNICAL DATA	MCH 13	MCH 16	MCH 18
CODES	SC000216 for 230V - 50Hz SC000217 for 230V - 60Hz SC000215/EVO for 400V - 50Hz SC000212/EVO for 440V - 60Hz	SC000276 for 230V - 50Hz SC000277 for 230V - 60Hz SC000275 for 400V - 50Hz SC000278 for 440V - 60Hz	SC000105 for 230V - 50Hz SC000106 for 230V - 60Hz SC000107 for 400V - 50Hz SC000108 for 440V - 60Hz
DRIVEN BY	THREE-PHASE ELECTRIC MOTOR	THREE-PHASE ELECTRIC MOTOR	THREE-PHASE ELECTRIC MOTOR
CHARGING RATE PUMPING UNIT	235 l/min - 14.1 m ³ /h - 8.3 CFM FAD	315 l/min - 18.9 m ³ /h - 11.1 CFM FAD	330 l/min - 19.8 m ³ /h - 11.65 CFM FAD
FILLING TIME*	8 min. 30 sec.	6 min. 20 sec.	6 min.
POWER	4 kW (230/400 V - 50/60 Hz) (440/480 V - 60 Hz)	5,5 kW (230/400 V - 50/60 Hz) (440/480 V - 60 Hz)	7,5 kW (230/400 V - 50/60 Hz) (440/480 V - 60 Hz)
WORKING PRESSURE	232 - 330 bar / 3300 - 4700 psig	232 - 330 bar / 3300 - 4700 psig	232 - 330 bar / 3300 - 4700 psig
DIMENSION (W x H x D)	90 x 132 x 87 cm 35.4" x 52" x 34.2"	90 x 132 x 87 cm 35.4" x 52" x 34.2"	90 x 132 x 87 cm 35.4" x 52" x 34.2"
NET WEIGHT APPROX.	225 kg / 496 lbs	235 kg / 518 lbs	235 kg / 518 lbs
NOISE LpA	66 dB	68 dB	68 dB
RPM	1370	1570	1660

*Filling time cylinder 10 l-0/200 bar (measured by filling cylinder from 0 to 200 bar ±5%)

MCH 13 ETS MINI SILENT EVO

MCH 16 ETS MINI SILENT EVO



STANDARD EQUIPMENT

- Automatic condensate drain and autostop
- Electric switchboard with hourmeter
- 2 filling hoses 120 cm length
- 2 valves BC for 232 bar version



CODE SC000470
BC DIN 232 bar



CODE SC000450
BC INT

- 2 valves BC for 300 bar version



CODE SC000460
BC DIN 300 bar

OPTIONAL ACCESSORIES

- Length filling hoses: 1.50 m - 2.0 m - 3.0 m - 4.0 m - 5.0 m - 8.0 m - 10.0 m

TECHNICAL DATA	MCH 13	MCH 16
CODES	SC000207 for 230V - 50Hz SC000208 for 230V - 60Hz SC000206 for 400V - 50Hz SC000211 for 440V - 60Hz	SC000267 for 230V - 50Hz SC000268 for 230V - 60Hz SC000266 for 400V - 50Hz SC000269 for 440V - 60Hz
DRIVEN BY	THREE-PHASE ELECTRIC MOTOR	THREE-PHASE ELECTRIC MOTOR
CHARGING RATE PUMPING UNIT	235 l/min - 14.1 m ³ /h - 8.3 CFM FAD	315 l/min - 18.9 m ³ /h - 11.1 CFM FAD
FILLING TIME*	8 min. 30 sec.	6 min. 20 sec.
POWER	4 kW (230/400 V - 50/60 Hz) (440/480 V - 60 Hz)	5,5 kW (230/400 V - 50/60 Hz) (440/480 V - 60 Hz)
WORKING PRESSURE	232 - 330 bar / 3300 - 4700 psig	232 - 330 bar / 3300 - 4700 psig
DIMENSION (W x H x D)	75 x 106 x 72 cm 29.5" x 41.7" x 28.3"	75 x 106 x 72 cm 29.5" x 41.7" x 28.3"
NET WEIGHT APPROX.	177 kg / 390 lbs	187 kg / 412 lbs
NOISE LpA	75 dB	76 dB
RPM	1370	1570

*Filling time cylinder 10 l-0/200 bar (measured by filling cylinder from 0 to 200 bar ±5%)

MCH 13 SH TECH

MCH 16 SH TECH

STANDARD EQUIPMENT

- 2 filling hoses 120 cm length
- 2 valves BC for 232 bar version



CODE SC000470
BC DIN 232 bar



CODE SC000450
BC INT

- 2 valves BC for 300 bar version



CODE SC000460
BC DIN 300 bar



OPTIONAL ACCESSORIES

- Automatic condensate drain and autostop (only with the electric start motor and battery)
- Remote filling panels (page 31)
- Length filling hoses: 1.50 m - 2.0 m - 3.0 m - 4.0 m - 5.0 m - 8.0 m - 10.0 m



TECHNICAL DATA	MCH 13 SH TECH	MCH 16 SH TECH
CODES	SC000180/TECH	SC000240/TECH
DRIVEN BY	HONDA PETROL ENGINE	HONDA PETROL ENGINE
CHARGING RATE PUMPING UNIT	235 l/min - 14.1 m³/h - 8.3 CFM FAD	315 l/min - 18.9 m³/h - 11.1 CFM FAD
FILLING TIME*	8 min. 30 sec.	6 min. 20 sec.
POWER	6.3 kW (8.4 hp)	6.3 kW (8.4 hp)
WORKING PRESSURE	232 - 330 bar / 3300 - 4700 psig	232 - 330 bar / 3300 - 4700 psig
DIMENSION (W x H x D)	113 x 79 x 61 cm 44.4" x 31" x 24"	113 x 79 x 61 cm 44.4" x 31" x 24"
NET WEIGHT APPROX.	136 kg / 230 lbs	136 kg / 230 lbs
RPM	1370	1570

*Filling time cylinder 10 l-0/200 bar (measured by filling cylinder from 0 to 200 bar ±5%)

MCH 13 DY TECH

MCH 16 DY TECH



STANDARD EQUIPMENT

- 2 filling hoses 120 cm length
- 2 valves BC for 232 bar version



CODE SC000470
BC DIN 232 bar



CODE SC000450
BC INT

- 2 valves BC for 300 bar version



CODE SC000460
BC DIN 300 bar

OPTIONAL ACCESSORIES

- Automatic condensate drain and autostop (only with the electric start motor and battery and solenoid on tank)
- Remote filling panels (page 31)
- Length filling hoses: 1.50 m - 2.0 m - 3.0 m - 4.0 m - 5.0 m - 8.0 m - 10.0 m

TECHNICAL DATA	MCH 13 DY TECH	MCH 16 DY TECH
CODES	SC000195/TECH	SC000255/TECH
DRIVEN BY	DIESEL YANMAR I 100	DIESEL YANMAR I 100
CHARGING RATE PUMPING UNIT	235 l/min - 14.1 m³/h - 8.3 CFM FAD	315 l/min - 18.9 m³/h - 11.1 CFM FAD
FILLING TIME*	8 min. 30 sec.	6 min. 20 sec.
POWER	6.6 kW (9 hp)	6.6 kW (9 hp)
WORKING PRESSURE	232 - 330 bar / 3300 - 4700 psig	232 - 330 bar / 3300 - 4700 psig
DIMENSION (W x H x D)	113 x 79 x 61 cm 44.4" x 31" x 24"	113 x 79 x 61 cm 44.4" x 31" x 24"
NET WEIGHT APPROX.	158 kg / 348 lbs	158 kg / 348 lbs
RPM	1370	1570

*Filling time cylinder 10 l-0/200 bar (measured by filling cylinder from 0 to 200 bar ±5%)

MCH 13 SH MINI TECH

MCH 16 SH MINI TECH

STANDARD EQUIPMENT

- 2 filling hoses 120 cm length
- 2 valves BC for 232 bar version



CODE SC000470
BC DIN 232 bar

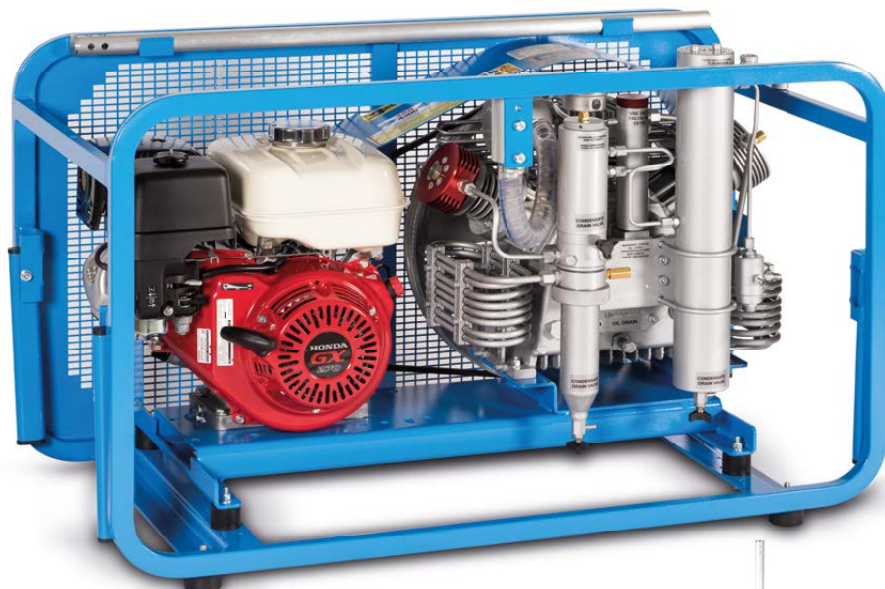


CODE SC000450
BC INT

- 2 valves BC for 300 bar version

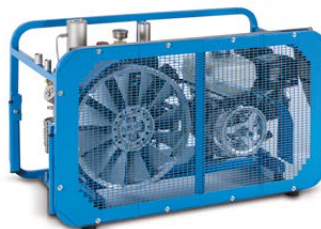


CODE SC000460
BC DIN 300 bar



OPTIONAL ACCESSORIES

- Automatic condensate drain and autostop (only with the electric start motor and battery and solenoid on tank)
- Remote filling panels (page 31)
- Length filling hoses: 1.50 m - 2.0 m - 3.0 m - 4.0 m - 5.0 m - 8.0 m - 10.0 m

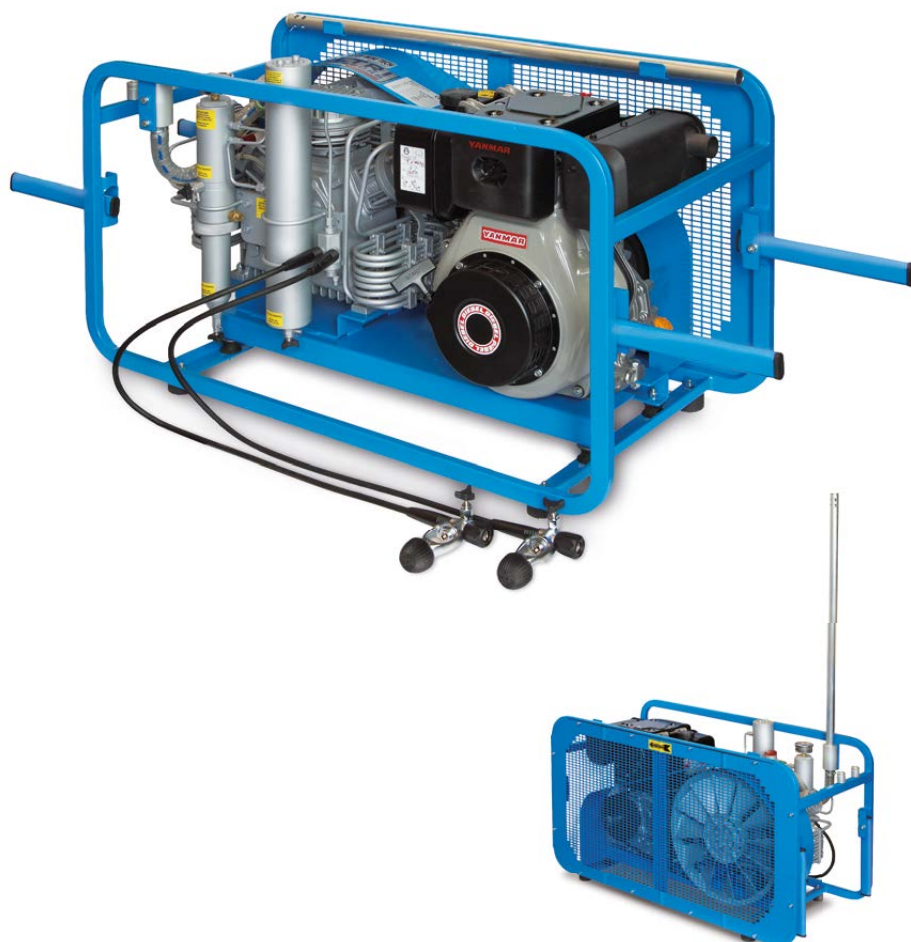


TECHNICAL DATA	MCH 13 SH MINI TECH	MCH 16 SH MINI TECH
CODES	SC00077	SC00078
DRIVEN BY	HONDA PETROL ENGINE	HONDA PETROL ENGINE
CHARGING RATE PUMPING UNIT	235 l/min - 14.1 m ³ /h - 8.3 CFM FAD	315 l/min - 18.9 m ³ /h - 11.1 CFM FAD
FILLING TIME*	8 min. 30 sec.	6 min. 20 sec.
POWER	6.3 kW (8.4 hp)	6.3 kW (8.4 hp)
WORKING PRESSURE	232 - 330 bar / 3300 - 4700 psig	232 - 330 bar / 3300 - 4700 psig
DIMENSION (W x H x D)	113 x 64 x 54 cm 44.4" x 25" x 21.2"	113 x 64 x 54 cm 44.4" x 25" x 21.2"
NET WEIGHT APPROX.	135 kg / 296.6 lbs	135 kg / 296.6 lbs
RPM	1370	1570

*Filling time cylinder 10 l-0/200 bar (measured by filling cylinder from 0 to 200 bar $\pm 5\%$)

MCH 13 DY MINI TECH

MCH 16 DY MINI TECH



STANDARD EQUIPMENT

- 2 filling hoses 120 cm length
- 2 valves BC for 232 bar version



CODE SC000470
BC DIN 232 bar



CODE SC000450
BC INT

- 2 valves BC for 300 bar version



CODE SC000460
BC DIN 300 bar

OPTIONAL ACCESSORIES

- Automatic condensate drain and autostop (only with the electric start motor and battery and solenoid on tank)
- Remote filling panels (page 31)
- Length filling hoses: 1.50 m - 2.0 m - 3.0 m - 4.0 m - 5.0 m - 8.0 m - 10.0 m

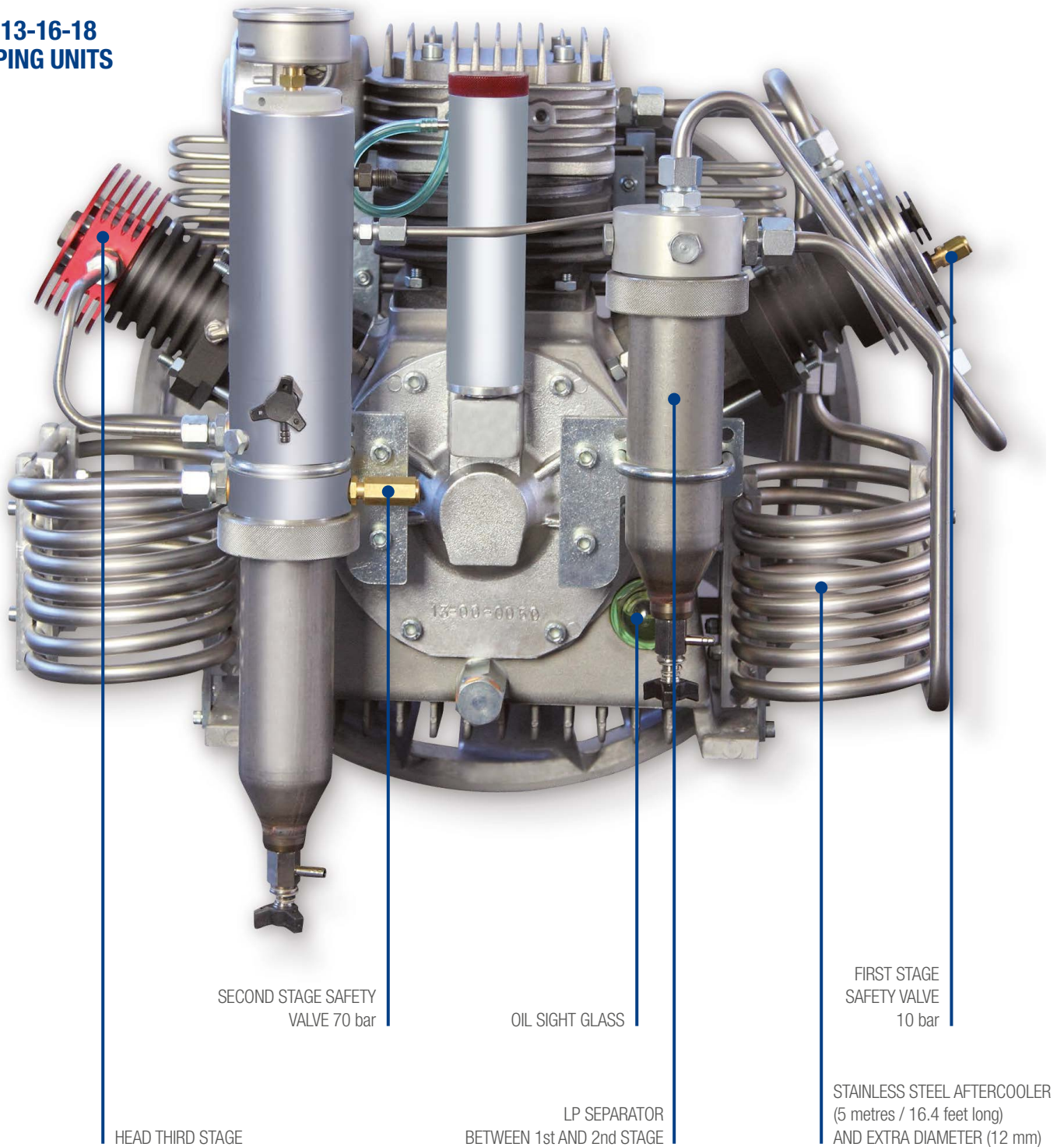
TECHNICAL DATA	MCH 13 DY MINI TECH	MCH 16 DY MINI TECH
CODES	SC00073	SC00074
DRIVEN BY	DIESEL YANMAR I 100	DIESEL YANMAR I 100
CHARGING RATE PUMPING UNIT	235 l/min - 14.1 m³/h - 8.3 CFM FAD	315 l/min - 18.9 m³/h - 11.1 CFM FAD
FILLING TIME*	8 min. 30 sec.	6 min. 20 sec.
POWER	6.6 kW (9 hp)	6.6 kW (9 hp)
WORKING PRESSURE	232 - 330 bar / 3300 - 4700 psig	232 - 330 bar / 3300 - 4700 psig
DIMENSION (W x H x D)	113 x 64 x 54 cm 44.4" x 25" x 21.2"	113 x 64 x 54 cm 44.4" x 25" x 21.2"
NET WEIGHT APPROX.	135 kg / 297.6 lbs	135 kg / 297.6 lbs
RPM	1370	1570

*Filling time cylinder 10 l-0/200 bar (measured by filling cylinder from 0 to 200 bar ±5%)

TROPICAL - PUMPING UNITS

Designed to be used in a high external temperature environment and with a high percentage of humidity in the air equipped with 3 new oil/moisture separators.

MCH 13-16-18 PUMPING UNITS



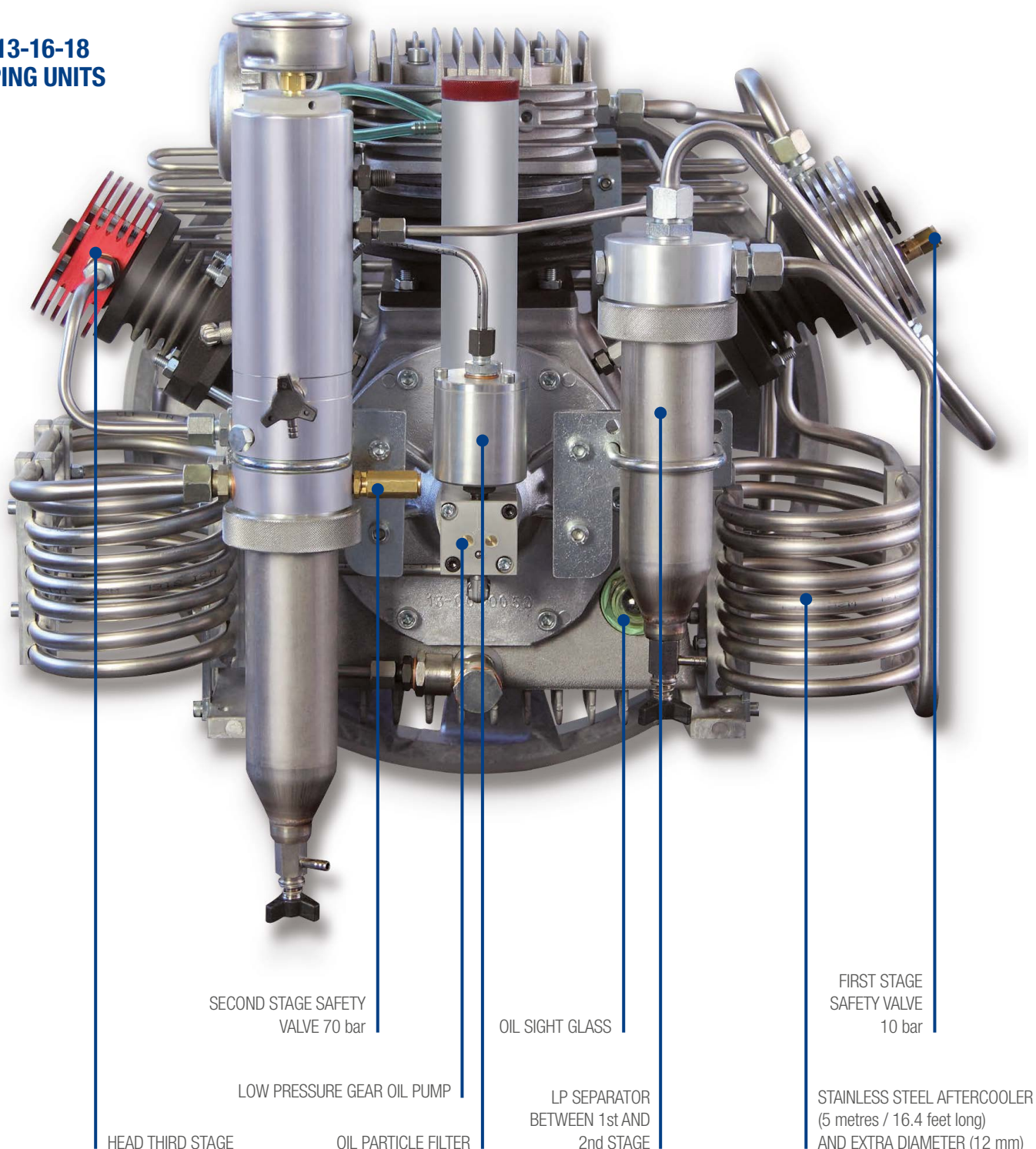
*Based on recharging an 80 cubic foot tank from 500 to 3000 psig

TECHNICAL DATA	MCH 13	MCH 16	MCH 18
CHARGING RATE	235 l/min - 14.1 m ³ /h 9.7 SCFM* - 8.3 CFM FAD	315 l/min - 18.9 m ³ /h 13 SCFM* - 11.1 CFM FAD	330 l/min - 19.8 m ³ /h 13.6 SCFM* - 11.65 CFM FAD

TROPICAL PLUS - PUMPING UNITS

Designed to be used in a high external temperature environment and with a high percentage of humidity in the air, equipped with 3 New oil/moisture separators interstage and after coolers, forced lubrication with low pressure-gear oil pump and a particle filter.

MCH 13-16-18 PUMPING UNITS



*Based on recharging an 80 cubic foot tank from 500 to 3000 psig

TECHNICAL DATA	MCH 13	MCH 16	MCH 18
CHARGING RATE	235 l/min - 14.1 m ³ /h 9.7 SCFM* - 8.3 CFM FAD	315 l/min - 18.9 m ³ /h 13 SCFM* - 11.1 CFM FAD	330 l/min - 19.8 m ³ /h 13.6 SCFM* - 11.65 CFM FAD

MCH 13 ET MARK 1

MCH 16 ET MARK 1

MCH 18 ET MARK 1

STANDARD EQUIPMENT

- Automatic condensate drain and autostop
- Electric switchboard with hourmeter
- Interstage pressure gauge
- Cabin temperature thermostat/auto shutoff
- Phase controller that prohibits reverse rotation
- Oil level switch/auto shutoff
- Hyperfilter filtration PED certificated
- 2 filling hoses 120 cm length
- 2 valves BC for 232 bar version



CODE SC000470
BC DIN 232 bar



CODE SC000450
BC INT

- 2 valves BC for 300 bar version



CODE SC000460
BC DIN 300 bar

OPTIONAL ACCESSORIES

- Length filling hoses: 1.50 m - 2.0 m - 3.0 m - 4.0 m - 5.0 m - 8.0 m - 10.0 m



TECHNICAL DATA	MCH 13	MCH 16	MCH 18
CODES	SC000218/T for 230V - 50Hz SC000104/T for 230V - 60Hz SC000200/T for 400V - 50Hz SC000209/T for 440V - 60Hz	SC000103/T for 230V - 50Hz SC000254/T for 230V - 60Hz SC000272/T for 400V - 50Hz SC000271/T for 440V - 60Hz	SC000110/T for 230V - 50Hz SC000111/T for 230V - 60Hz SC000112/T for 400V - 50Hz SC000113/T for 440V - 60Hz
DRIVEN BY	THREE-PHASE ELECTRIC MOTOR	THREE-PHASE ELECTRIC MOTOR	THREE-PHASE ELECTRIC MOTOR
CHARGING RATE PUMPING UNIT	235 l/min - 14.1 m ³ /h - 8.3 CFM FAD	315 l/min - 18.9 m ³ /h - 11.1 CFM FAD	330 l/min - 19.8 m ³ /h - 11.65 CFM FAD
FILLING TIME*	8 min. 30 sec.	6 min. 20 sec.	6 min.
POWER	4 kW (230/400 V - 50/60 Hz) (440/480 V - 60 Hz)	5.5 kW (230/400 V - 50/60 Hz) (440/480 V - 60 Hz)	7.5 kW (230/400 V - 50/60 Hz) (440/480 V - 60 Hz)
WORKING PRESSURE	232 - 330 bar / 3300 - 4700 psig	232 - 330 bar / 3300 - 4700 psig	232 - 330 bar / 3300 - 4700 psig
DIMENSION (W x H x D)	92 x 85 x 61 cm 36.2" x 33.4" x 24"	92 x 85 x 61 cm 36.2" x 33.4" x 24"	92 x 85 x 61 cm 36.2" x 33.4" x 24"
NET WEIGHT APPROX.	141 kg / 310 lbs	151 kg / 333 lbs	161 kg / 355 lbs
NOISE LpA	75 dB	76 dB	76 dB
RPM	1370	1570	1660

*Filling time cylinder 10 l-0/200 bar (measured by filling cylinder from 0 to 200 bar ±5%)

MCH 13 ET MARK 2

MCH 16 ET MARK 2

MCH 18 ET MARK 2



STANDARD EQUIPMENT

- Automatic condensate drain and autostop
- Electric switchboard with hourmeter
- Interstage pressure gauge
- Cabin temperature thermostat/auto shutoff
- Phase controller that prohibits reverse rotation
- Oil level switch/auto shutoff
- Double hyperfilter filtration PED certificated
- 2 filling hoses 120 cm length
- 2 valves BC for 232 bar version



CODE SC000470
BC DIN 232 bar



CODE SC000450
BC INT

- 2 valves BC for 300 bar version



CODE SC000460
BC DIN 300 bar

OPTIONAL ACCESSORIES

- Length filling hoses: 1.50 m - 2.0 m - 3.0 m - 4.0 m - 5.0 m - 8.0 m - 10.0 m

TECHNICAL DATA	MCH 13	MCH 16	MCH 18
CODES	SC000218/TP for 230V - 50Hz SC000104/TP for 230V - 60Hz SC000200/TP for 400V - 50Hz SC000209/TP for 440V - 60Hz	SC000103/TP for 230V - 50Hz SC000254/TP for 230V - 60Hz SC000272/TP for 400V - 50Hz SC000271/TP for 440V - 60Hz	SC000110/TP for 230V - 50Hz SC000111/TP for 230V - 60Hz SC000112/TP for 400V - 50Hz SC000113/TP for 440V - 60Hz
DRIVEN BY	THREE-PHASE ELECTRIC MOTOR	THREE-PHASE ELECTRIC MOTOR	THREE-PHASE ELECTRIC MOTOR
CHARGING RATE PUMPING UNIT	235 l/min - 14.1 m ³ /h - 8.3 CFM FAD	315 l/min - 18.9 m ³ /h - 11.1 CFM FAD	330 l/min - 19.8 m ³ /h - 11.65 CFM FAD
FILLING TIME*	8 min. 30 sec.	6 min. 20 sec.	6 min.
POWER	4 kW (230/400 V - 50/60 Hz) (440/480 V - 60 Hz)	5.5 kW (230/400 V - 50/60 Hz) (440/480 V - 60 Hz)	7.5 kW (230/400 V - 50/60 Hz) (440/480 V - 60 Hz)
WORKING PRESSURE	232 - 330 bar / 3300 - 4700 psig	232 - 330 bar / 3300 - 4700 psig	232 - 330 bar / 3300 - 4700 psig
DIMENSION (W x H x D)	92 x 85 x 61 cm 36.2" x 33.4" x 24"	92 x 85 x 61 cm 36.2" x 33.4" x 24"	92 x 85 x 61 cm 36.2" x 33.4" x 24"
NET WEIGHT APPROX.	141 kg / 310 lbs	151 kg / 333 lbs	161 kg / 355 lbs
NOISE LpA	75 dB	76 dB	76 dB
RPM	1370	1570	1660

*Filling time cylinder 10 l-0/200 bar (measured by filling cylinder from 0 to 200 bar ±5%)

MCH 13 ETS SUPER SILENT EVO TROPICAL

MCH 16 ETS SUPER SILENT EVO TROPICAL

MCH 18 ETS SUPER SILENT EVO TROPICAL

STANDARD EQUIPMENT

- Automatic condensate drain and autostop
- Electric switchboard with hourmeter
- Interstage pressure gauge
- Cabin temperature thermostat/auto shutoff
- Phase controller that prohibits reverse rotation
- Oil level switch/auto shutoff
- Hyperfilter filtration PED certificated
- 2 filling hoses 120 cm length
- 2 valves BC for 232 bar version



CODE SC000470
BC DIN 232 bar



CODE SC000450
BC INT

- 2 valves BC for 300 bar version



CODE SC000460
BC DIN 300 bar

OPTIONAL ACCESSORIES

- Final hp Refrigerator RF 500 (page 28)
- Presec filtration with visual indicator
- Length filling hoses: 1.50 m - 2.0 m - 3.0 m - 4.0 m - 5.0 m - 8.0 m - 10.0 m



TECHNICAL DATA	MCH 13	MCH 16	MCH 18
CODES	SC000216/T for 230V - 50Hz SC000217/T for 230V - 60Hz SC000215/T for 400V - 50Hz SC000212/T for 440V - 60Hz	SC000276/T for 230V - 50Hz SC000277/T for 230V - 60Hz SC000275/T for 400V - 50Hz SC000278/T for 440V - 60Hz	SC000105/T for 230V - 50Hz SC000106/T for 230V - 60Hz SC000107/T for 400V - 50Hz SC000108/T for 440V - 60Hz
DRIVEN BY	THREE-PHASE ELECTRIC MOTOR	THREE-PHASE ELECTRIC MOTOR	THREE-PHASE ELECTRIC MOTOR
CHARGING RATE PUMPING UNIT	235 l/min - 14.1 m³/h - 8.3 CFM FAD	315 l/min - 18.9 m³/h - 11.1 CFM FAD	330 l/min - 19.8 m³/h - 11.65 CFM FAD
FILLING TIME*	8 min. 30 sec.	6 min. 20 sec.	6 min.
POWER	4 kW (230/400 V - 50/60 Hz) (440/480 V - 60 Hz)	5.5 kW (230/400 V - 50/60 Hz) (440/480 V - 60 Hz)	7.5 kW (230/400 V - 50/60 Hz) (440/480 V - 60 Hz)
WORKING PRESSURE	232 - 330 bar / 3300 - 4700 psig	232 - 330 bar / 3300 - 4700 psig	232 - 330 bar / 3300 - 4700 psig
DIMENSION (W x H x D)	90 x 132 x 93 cm 35.4" x 52" x 36.6"	90 x 132 x 93 cm 35.4" x 52" x 36.6"	90 x 132 x 93 cm 35.4" x 52" x 36.6"
NET WEIGHT APPROX.	212 kg / 468 lbs	222 kg / 490 lbs	230 kg / 507 lbs
NOISE LpA	66 dB	68 dB	68 dB
RPM	1370	1570	1660

*Filling time cylinder 10 l-0/200 bar (measured by filling cylinder from 0 to 200 bar ±5%)

MCH 13 ETS SUPER SILENT EVO TROPICAL PLUS

MCH 16 ETS SUPER SILENT EVO TROPICAL PLUS

MCH 18 ETS SUPER SILENT EVO TROPICAL PLUS



STANDARD EQUIPMENT

- Automatic condensate drain and autostop
- Electric switchboard with hourmeter
- Interstage pressure gauge
- Cabin temperature thermostat/auto shutoff
- Phase controller that prohibits reverse rotation
- Oil level switch/auto shutoff
- Double hyperfilter filtration PED certificated
- 2 filling hoses 120 cm length
- 2 valves BC for 232 bar version



CODE SC000470
BC DIN 232 bar



CODE SC000450
BC INT

- 2 valves BC for 300 bar version



CODE SC000460
BC DIN 300 bar

OPTIONAL ACCESSORIES

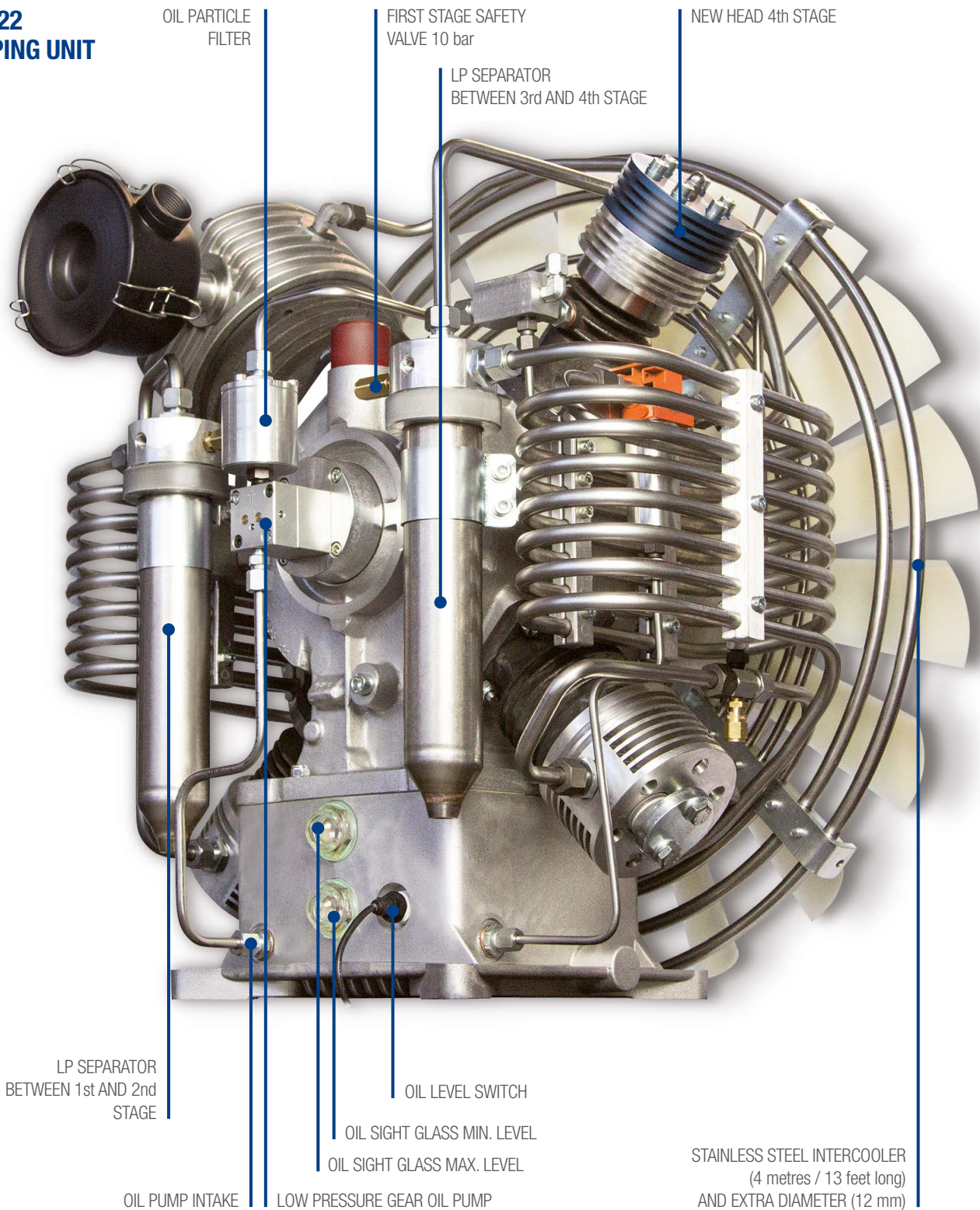
- Final hp Refrigerator RF 500 (page 28)
- Presec filtration with visual indicator
- Length filling hoses: 1.50 m - 2.0 m - 3.0 m - 4.0 m - 5.0 m - 8.0 m - 10.0 m

TECHNICAL DATA	MCH 13	MCH 16	MCH 18
CODES	SC000216/TP for 230V - 50Hz SC000217/TP for 230V - 60Hz SC000215/TP for 400V - 50Hz SC000212/TP for 440V - 60Hz	SC000276/TP for 230V - 50Hz SC000277/TP for 230V - 60Hz SC000275/TP for 400V - 50Hz SC000278/TP for 440V - 60Hz	SC000105/TP for 230V - 50Hz SC000106/TP for 230V - 60Hz SC000107/TP for 400V - 50Hz SC000108/TP for 440V - 60Hz
DRIVEN BY	THREE-PHASE ELECTRIC MOTOR	THREE-PHASE ELECTRIC MOTOR	THREE-PHASE ELECTRIC MOTOR
CHARGING RATE PUMPING UNIT	235 l/min - 14.1 m³/h - 8.3 CFM FAD	315 l/min - 18.9 m³/h - 11.1 CFM FAD	330 l/min - 19.8 m³/h - 11.65 CFM FAD
FILLING TIME*	8 min. 30 sec.	6 min. 20 sec.	6 min.
POWER	4 kW (230/400 V - 50/60 Hz) (440/480 V - 60 Hz)	5.5 kW (230/400 V - 50/60 Hz) (440/480 V - 60 Hz)	7.5 kW (230/400 V - 50/60 Hz) (440/480 V - 60 Hz)
WORKING PRESSURE	232 - 330 bar / 3300 - 4700 psig	232 - 330 bar / 3300 - 4700 psig	232 - 330 bar / 3300 - 4700 psig
DIMENSION (W x H x D)	90 x 132 x 93 cm 35.4" x 52" x 36.6"	90 x 132 x 93 cm 35.4" x 52" x 36.6"	90 x 132 x 93 cm 35.4" x 52" x 36.6"
NET WEIGHT APPROX.	212 kg / 468 lbs	222 kg / 490 lbs	230 kg / 507 lbs
NOISE LpA	66 dB	68 dB	68 dB
RPM	1370	1570	1660

*Filling time cylinder 10 l-0/200 bar (measured by filling cylinder from 0 to 200 bar ±5%)

PUMPING UNITS

MCH 22 PUMPING UNIT

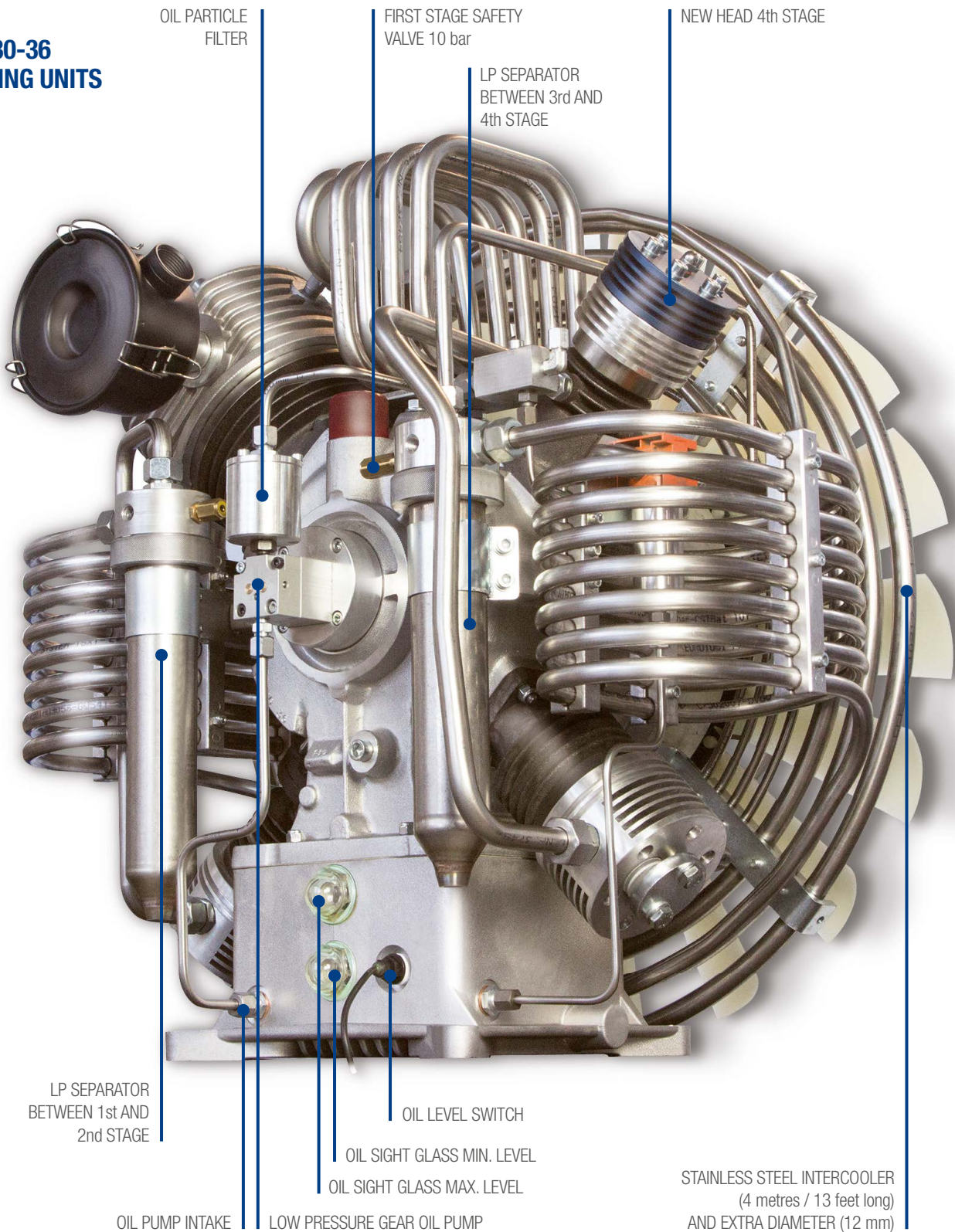


*Based on recharging an 80 cubic foot tank from 500 to 3000 psig

TECHNICAL DATA	MCH 22
CHARGING RATE	400 l/min - 24 m ³ /h 16.48 SCFM* - 14.12 CFM FAD

Dedicated to the best performing compressors, they are the most complex and complete pumping units of the entire Coltri Compressors' production and boast the greatest air flow rate.

MCH 30-36
PUMPING UNITS



*Based on recharging an 80 cubic foot tank from 500 to 3000 psig

TECHNICAL DATA	MCH 30	MCH 36
CHARGING RATE	500 l/min - 30 m³/h 20.6 SCFM* - 17.65 CFM FAD	600 l/min - 36 m³/h 24.75 SCFM* - 21.20 CFM FAD

MCH 22 SILENT

MCH 30 SILENT

MCH 36 SILENT

STANDARD EQUIPMENT

- Automatic condensate drain and autostop
- Soft start (star/delta) electric switchboard with hourmeter
- Phase controller that prohibits reverse rotation
- Interstage and lubricant oil pressure gauges
- Cabin temperature thermostat/auto shutoff
- Oil level switch/auto shutoff
- Twin hyperfilter filtration ped certificated
- Number 4 filling hoses 120 cm length
- Number 4 valves BC for 232 bar version



CODE SC000470
BC DIN 232 bar



CODE SC000450
BC INT

- Number 4 valves BC for 300 bar version



CODE SC000460
BC DIN 300 bar

OPTIONAL ACCESSORIES

- Remote filling panel (page 31)
- Presec filtration with visual indicator
- Electronic touch screen panel (page 28)
- Final hp refrigerator (page 27)
- Length filling hoses: 1.50 m - 2.0 m - 3.0 m - 4.0 m - 5.0 m - 8.0 m - 10.0 m



TECHNICAL DATA	MCH 22	MCH 30	MCH 36
CODES	SC000041 for 230V - 60Hz SC000042 for 400V - 50Hz SC000043 for 440V - 60Hz	SC000125 for 230V - 50Hz SC000126 for 230V - 60Hz SC000127 for 400V - 50Hz SC000128 for 440V - 60Hz	SC000191 for 230V - 50Hz SC000308 for 230V - 60Hz SC000296 for 400V - 50Hz SC000192 for 440V - 60Hz
DRIVEN BY	THREE-PHASE ELECTRIC MOTOR	THREE-PHASE ELECTRIC MOTOR	THREE-PHASE ELECTRIC MOTOR
CHARGING RATE PUMPING UNIT	400 l/min - 24 m ³ /h - 14.12 CFM FAD	500 l/min - 30 m ³ /h - 17.65 CFM FAD	600 l/min - 36 m ³ /h - 21.20 CFM FAD
FILLING TIME*	5 min.	4 min.	3 min.
POWER	7.5 kW (230 V - 60 Hz) (400 V - 50 Hz) (440 V - 60 Hz)	9.2 kW (200 V - 60 Hz) 11 kW (230 V - 60 Hz) (440 V - 60 Hz)	11 kW (400 V - 50 Hz) 15 kW (230 V - 60 Hz) (440 V - 60 Hz)
WORKING PRESSURE	225 - 330 bar / 3200 - 4700 psig	225 - 330 bar / 3200 - 4700 psig	225 - 330 bar / 3200 - 4700 psig
DIMENSION (W x H x D)	80 x 174 x 129 cm 31.4" x 68.5" x 50.7"	80 x 174 x 129 cm 31.4" x 68.5" x 50.7"	80 x 174 x 129 cm 31.4" x 68.5" x 50.7"
NET WEIGHT APPROX.	420 kg / 926 lbs	420 kg / 926 lbs	420 kg / 926 lbs
NOISE LpA	70 dB	70 dB	70 dB
RPM	1370	1570	1660

*Filling time cylinder 10 l-O/200 bar (measured by filling cylinder from 0 to 200 bar ±5%)

MCH 22 OPEN

MCH 30 OPEN

MCH 36 OPEN



STANDARD EQUIPMENT

- Automatic condensate drain and autostop
- Soft start (star/delta) electric switchboard with hourmeter
- Phase controller that prohibits reverse rotation
- Interstage and lubricant oil pressure gauges
- Cabin temperature thermostat/auto shutoff
- Oil level switch/auto shutoff
- Twin hyperfilter filtration ped certificated
- Number 4 filling hoses 120 cm length
- Number 4 valves BC for 232 bar version



CODE SC000470
BC DIN 232 bar



CODE SC000450
BC INT

- Number 4 valves BC for 300 bar version



CODE SC000460
BC DIN 300 bar

OPTIONAL ACCESSORIES

- Remote filling panel (page 31)
- Presec filtration with visual indicator
- Electronic touch screen panel (page 28)
- Final hp refrigerator (page 27)
- Length filling hoses: 1.50 m - 2.0 m - 3.0 m - 4.0 m - 5.0 m - 8.0 m - 10.0 m

TECHNICAL DATA	MCH 22	MCH 30	MCH 36
CODES	SC000038 for 230V - 60Hz SC000040 for 400V - 50Hz SC000039 for 440V - 60Hz	SC000115 for 230V - 50Hz SC000116 for 230V - 60Hz SC000117 for 400V - 50Hz SC000118 for 440V - 60Hz	SC000193 for 230V - 50Hz SC000304 for 230V - 60Hz SC000309 for 400V - 50Hz SC000194 for 440V - 60Hz
DRIVEN BY	THREE-PHASE ELECTRIC MOTOR	THREE-PHASE ELECTRIC MOTOR	THREE-PHASE ELECTRIC MOTOR
CHARGING RATE PUMPING UNIT	400 l/min - 24 m ³ /h - 14.12 CFM FAD	500 l/min - 30 m ³ /h - 17.65 CFM FAD	600 l/min - 36 m ³ /h - 21.20 CFM FAD
FILLING TIME*	5 min.	4 min.	3 min.
POWER	7.5 kW (230 V - 60 Hz) (400 V - 50 Hz) (440 V - 60 Hz)	9.2 kW (200 V - 60 Hz) 11 kW (230 V - 60 Hz) (440 V - 60 Hz)	11 kW (400 V - 50 Hz) 15 kW (230 V - 60 Hz) (440 V - 60 Hz)
WORKING PRESSURE	225 - 330 bar / 3200 - 4700 psig	225 - 330 bar / 3200 - 4700 psig	225 - 330 bar / 3200 - 4700 psig
DIMENSION (W x H x D)	79 x 154.5 x 102.5 cm 31" x 60.8" x 40.3"	79 x 154.5 x 102.5 cm 31" x 60.8" x 40.3"	79 x 154.5 x 102.5 cm 31" x 60.8" x 40.3"
NET WEIGHT APPROX.	415 kg / 915 lbs	415 kg / 915 lbs	415 kg / 915 lbs
NOISE LpA	76 dB	76 dB	76 dB
RPM	1370	1570	1660

*Filling time cylinder 10 l-0/200 bar (measured by filling cylinder from 0 to 200 bar ±5%)

PRESEC FILTERS CONTROL SYSTEM

The presec system is connected with a probe, within the first filtering cartridge, that detects the saturation level and transmits to the display the proper commutation signals based on the cartridge's status. In case of totally saturated filtering cartridge the compressor turns off and it is not possible to turn it on again without inserting a new cartridge.

Available for:

MCH 22 / 30 / 36

MCH 13 / 16 / 18 ETS SUPERSILENT EVO - TROPICAL



CODE SC0001300

FINAL HP REFRIGERATOR RF 500 ON DEMAND

FILTER LIFE 5 TIME LONGER

IMPROVED AIR QUALITY

LESS CORROSION OF THE INTERNAL
MECHANICAL PARTS

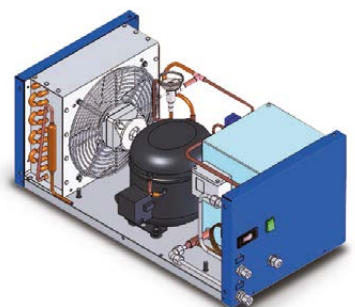
CYLINDERS RECHARGE WITH ALWAYS
CONSTANT PERCENTAGE OF HUMIDITY



The final hp refrigerator is positioned between the final stage and hp water separator. The compressed air is cooled down inside a closed cooling circuit. As a result, the dew point of the compressed air decreases and most of the moisture and oil contained condenses or is removed by the oil and water separator. Consequently, only a very small amount of moisture enters the filter cartridge, which significantly increases its life.



For RF 500 this air intake component of the frame need to be ordered a part as larger than standard.



REFRIGERATOR CODE SC0001300

ELECTRONIC TOUCH SCREEN ON DEMAND



TOUCH SCREEN CODE SC000596

MAIN DISPLAY

- Filling: it displays the filling pressure
- Maximum pressure: it displays the maximum filling pressure, when it is reached the compressor turns off.
- Panel temperature: it displays the temperature inside the compressor
- Running: compressor on
- Stop: compressor off
- Discharge: manual discharge

HOUR METER DISPLAY

- Total hours: hours running the compressor
- Oil/filter change: hours remaining for oil/filter change
- Suction filter change: hours remaining for oil change

CUSTOMER SETTING DISPLAY

- Maximum pressure: it is the maximum filling pressure of the compressor; when this pressure is reached, the compressor turns off.

ALARM DISPLAY

- Oil pressure alarm: maximum oil pressure alarm.
- First stage pressure alarm: first stage maximum pressure alarm.
- Second stage pressure alarm: second stage maximum pressure alarm.
- Third stage pressure alarm: third stage maximum pressure alarm.
- Panel temperature alarm: maximum panel temperature alarm.
- Oil level alarm: low oil level alarm.
- Reversed phase alarm: three-phase sequence alarm, reverse two phases of the electrical supply line of the compressor.
- Pressure switch alarm: pressure switch maximum pressure Alarm, the filling pressure reached the maximum Pressure set up on the front manometer.
- Motor thermal alarm: compressor motor thermal trip switch, open the electrical panel and re-set the thermal switch.

MCH 26 ET COMPACT

MCH 32 ET COMPACT

STANDARD EQUIPMENT

- Automatic condensate drain and autostop
- Electronic switchboard with hourmeter
- Number 4 filling hoses 120 cm length
- Number 4 valves BC for 232 bar version



CODE SC000470
BC DIN 232 bar



CODE SC000450
BC INT

- Number 4 valves BC for 300 bar version



CODE SC000460
BC DIN 300 bar

OPTIONAL ACCESSORIES

- Length filling hoses: 1.50 m - 2.0 m - 3.0 m - 4.0 m - 5.0 m - 8.0 m - 10.0 m



TECHNICAL DATA	MCH 26 (MCH 13 X 2)	MCH 32 (MCH 16 X 2)
CODES	SC000285 for 230V - 50Hz SC000286 for 230V - 60Hz SC000284 for 400V - 50Hz SC000295 for 440V - 60Hz	SC000288 for 230V - 50Hz SC000289 for 230V - 60Hz SC000287 for 400V - 50Hz SC000297 for 440V - 60Hz
DRIVEN BY	THREE-PHASE ELECTRIC MOTOR	THREE-PHASE ELECTRIC MOTOR
CHARGING RATE PUMPING UNIT	430 l/min - 26 m³/h	530 l/min - 32 m³/h
FILLING TIME*	5 min.	4 min.
POWER	2 x 4 kW (230/400 V - 50/60 Hz) (440/480 V - 60 Hz)	2 x 5,5 kW (230/400 V - 50/60 Hz) (440/480 V - 60 Hz)
WORKING PRESSURE	232 - 330 bar / 3300 - 4700 psig	232 - 330 bar / 3300 - 4700 psig
DIMENSION (W x H x D)	90 x 133 x 87 cm 35.4" x 52.3" x 34.2"	90 x 133 x 87 cm 35.4" x 52.3" x 34.2"
NET WEIGHT APPROX.	286 kg / 630 lbs	306 kg / 674 lbs
NOISE LpA	75 dB	76 dB
RPM	1370	1570

*Filling time cylinder 10 l-0/200 bar (measured by filling cylinder from 0 to 200 bar ±5%)

LEVER FILLING PANELS

SINGLE PRESSURE VERSION

CODE **SC000327**

4 LEVER VALVE INT/ DIN 232/DIN 300

1 GAUGE



DOUBLE PRESSURE VERSION

CODE **SC000331**

2 LEVER VALVE INT/DIN 232 bar 2 GAUGES

2 LEVER VALVE INT/DIN 300 bar 1 PRESSURE REGULATOR



FILLING CONNECTIONS



CODE **SC000936**

DIN 200 bar STAINLESS STEEL FIT
FOR LEVER VALVE WITH SAFETY PIN



CODE **SC000937**

DIN 300 bar STAINLESS STEEL FIT
FOR LEVER VALVE WITH SAFETY PIN



CODE **SC000935**

INT STAINLESS STEEL FIT
FOR LEVER VALVE WITH SAFETY PIN

FILLING PANELS

SINGLE PRESSURE VERSION

CODE **SC000325**

4 BC INT/DIN 232/DIN 300

1 GAUGE



DOUBLE PRESSURE VERSION

CODE **SC000329**

2 BC DIN 232 bar/INT

2 GAUGES

2 BC DIN 300 bar

1 PRESSURE REGULATOR



FILLING CONNECTIONS



CODE **SC000460**
BC DIN 300 bar



CODE **SC000470**
BC DIN 232 bar



CODE **SC000450**
BC INT



CODE **RE100350**
DIN/INT FITTING



CODE **VA800188**
SERVICE KIT FOR BC / BC DIN
230 bar / BC DIN 300 bar

INTAKE AIR FILTER


CODE

36-05-0504
FOR MCH
22/30/36

CODE

SC000370
FOR MCH
11/13/16/18

CODE

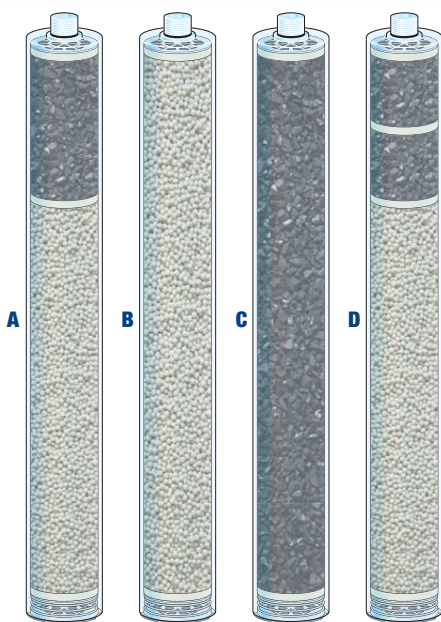
HC010301
FOR MCH 8

CODE

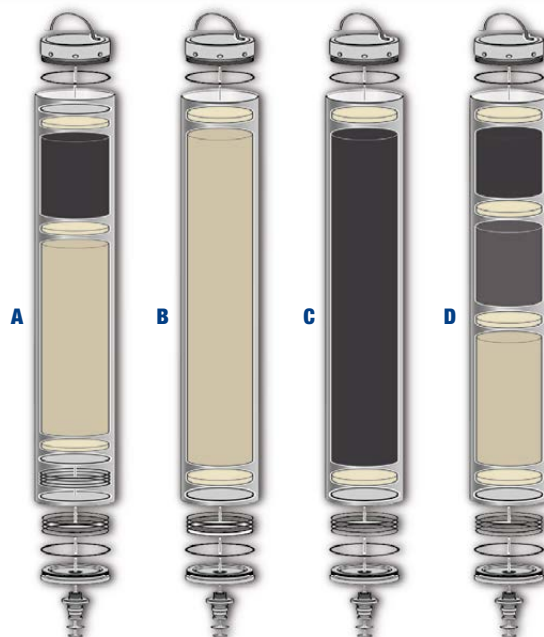
36-06-006
FOR MCH 22/30/36
AND 13/16/18 TROPICAL PLUS


AIR FILTER CARTRIDGES

MAXIFILTER FOR MCH 8/11/13/16/18 POLYPROPYLENE



HYPERFILTER FOR MCH 22/30/36 AND TROPICAL ALUMINIUM



A CODE SC000440/PP
WITH MOLECULAR SIEVE
AND ACTIVATED CARBON

B CODE SC000440/PP/SM
WITH MOLECULAR SIEVE

C CODE SC000440/PP/CARB
WITH ACTIVATED CARBON

D CODE SC000440/PP/CO-CATALYST
WITH MOLECULAR SIEVE, ACTIVATED
CARBON AND CO-CATALYST

A CODE 36-07-034/B-AC
WITH MOLECULAR SIEVE AND
ACTIVATED CARBON

B CODE 36-07-034/A-MS
WITH MOLECULAR SIEVE

C CODE 36-07-034/CAR
WITH ACTIVATED CARBON

D CODE 36-07-034/B-AC/MOL
WITH MOLECULAR SIEVE, ACTIVATED
CARBON AND CO-CATALYST

CAPS & DISCS KIT

FOR MCH-13/16 FILTER CARTRIDGE

CODE

13-05-0601/R
6 pieces Kit


ACTIVATED CARBON



CODE

SC000350 1 l

MOLECULAR SIEVE



CODE

SC000380 1 l

CO CATALYST



CODE

SC000355 1 kg



SYNTHETIC COLTRI OIL CE 750

Easier start up, faster oil circulation at low temperature, year-round operation, reduced warm-up, cleaner compressor, higher film strength

CODE 1 l

SC000496

COMPATIBILITY

AIR - NITROGEN -
HELIUM - CNG -
NITROX 40% O₂



SPECIAL MOTOR OIL FOR PETROL AND DIESEL ENGINES

CODE 1 l

SC000430



SYNTHETIC COLTRI OIL CE 100

CODE 1 l

SC000430-100

FELTS

CODE

36-00-0800
FOR HYPERFILTER
Kit da 8 pezzi



CODE

13-00-0800
FOR MAXIFILTER
Kit da 6 pezzi



LP 300 ROTARY SILENT WITH INBUILT DRIER

STANDARD EQUIPMENT

- Number 2 analyzer in line:
1 on LP and 1 on hp compressor
- Automatic condensate drain
- Electric switchboard with hourmeter and alarm
- Heater thermostat



% O ₂	32%	36%	40%
L/MIN	660	470	330
CONNECTABLE COMPRESSORS	N° 2 MCH 16 o N° 2 MCH 18	N° 2 MCH 13	N° 1 MCH 8 o N° 1 MCH 18

TECHNICAL DATA	LP 300
CODE	SC000820
DRIVEN BY	THREE-PHASE ELECTRIC MOTOR
FLOW CAPACITY	1,070 l/min
POWER	7.5 kW (400 V - 50 Hz)
WORKING PRESSURE	13 bar
DIMENSION (W x H x D)	119.5 x 126 x 85 cm 47" x 49.6" x 33.4"
NET WEIGHT APPROX.	256 kg / 567.4 lbs
NOISE LpA	70 dB
OIL REPLACEMENT	1,500 HOURS
FILTRATION	0.003 PPM OIL VAPOR

LP 600 ROTARY SILENT WITH INBUILT DRIER



STANDARD EQUIPMENT

- Number 2 analyzer in line:
1 on LP and 1 on hp compressor
- Automatic condensate drain
- Electric switchboard
with hourmeter and alarm
- Heater thermostat



% O ₂	32%	40%
L/MIN	1000	600
CONNECTABLE COMPRESSORS	N° 2 MCH 30	N° 1 MCH 30

TECHNICAL DATA	LP 600
CODE	SC000830
DRIVEN BY	THREE-PHASE ELECTRIC MOTOR
FLOW CAPACITY	2,200 l/min - 100 CFM FAD
POWER	15 kW (400/690 V - 50/60 Hz)
WORKING PRESSURE	8 bar
DIMENSION (W x H x D)	115 x 127 x 89 cm 45.3" x 50" x 35"
NET WEIGHT APPROX.	270 kg / 595.2 lbs
NOISE LpA	67 dB
OIL REPLACEMENT	1,500 HOURS
FILTRATION	0.003 PPM OIL VAPOR

LP 280 / 300 / 560 / 600 / 713 ROTARY SILENT AIR FILTERS



CODE	SC000603 1,0 micron particle FOR LP 280 / 300	SC000602 0,1 micron particle FOR LP 280 / 300	SC000601 ACTIVATED CARBON FOR LP 280 / 300
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CODE	SC000614 1,0 micron particle FOR LP 560 / 713	SC000613 0,1 micron particle FOR LP 560 / 713	SC000612 0,003 PPM oil vapor FOR LP 560 / 713
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INTAKE FILTERS ROTARY SYSTEM



CODE	SC000710 SINCE 01-2012 FOR LP 280 NITROX	SC000638 FOR LP 280 NITROX	SC000692 FOR LP 300 NITROX	SC000635 FOR LP 560 / 713 NITROX
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OIL/AIR FILTERS



CODE	SC000666 FOR LP 280 / 300 NITROX	SC000681 FOR LP 560 / 713 NITROX
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OIL FILTERS



CODE	SC000634 FOR LP 280 NITROX	SC000693 FOR LP 300 NITROX	SC000644 FOR LP 560 / 713 NITROX
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MIXING TUBE AIR FILTERS



CODE	SC000578 FOR LP 280 / 300 NITROX	SC000694 FOR LP 560 / 600 / 713 NITROX
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REPLACEMENT SENSOR WITH REMOTE SENSOR FOR NITROX UNITS



CODE	SC000322/SR FOR LP 280 / 300 / 560 / 600 / 713 NITROX
------	--

COLTRI OIL LP 46 FOR LP 280 / 300 / 560 / 600 / 713

CODE	SC000442 ISO VG GRADE 46
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ANALYZERS



CODE	SC000321 PRO O ₂ ANALYZER FOR OXYGEN
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CODE	SC000313 REPLACEMENT SENSOR
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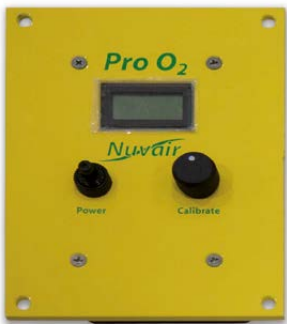
CODE	SC000322 PRO CO ANALYZER FOR CARBON MONOXIDE
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CODE	SC000312 REPLACEMENT SENSOR
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CODE	SC000319 PRO O ₂ ANALYZER FOR OXYGEN WITH REMOTE SENSOR
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CODE	SC000322/SR REPLACEMENT SENSOR
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CODE	SC000321/P PRO O ₂ PANEL ANALYZER FOR OXYGEN WITH REMOTE SENSOR
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CODE	SC000322/SR REPLACEMENT SENSOR
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CODE	SC000318 PRO TRIMIX ANALYZER FOR HELIUM/OXYGEN
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CODE	SC000311 REPLACEMENT SENSOR
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HP/LP FLOW RESTRICTOR FOR ANALYZERS



CODE	SC000321/RID
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PERSONAL FILTER


CODE

 OP900932
DIN 300 bar VERSION

CODE

 OP900931
DIN 200 bar VERSION

TRANSFER HOSE


CODE

 OP900341
FOR DIN 230 bar 50 cm

FILLING DEVICE DIN 300 TO DIN 232


CODE

 SC000335
DIN VERSION WITH SAFETY VALVE
300 bar F / 232 bar M

AIR BANK


CODE

 SC000625
2 x 50 l @ 360 bar

FILL CONTAINMENT CABINET 1 CYLINDER



STANDARD EQUIPMENT

- Pressure gauge
- Fill containment cabinet
- Transfer hose
- With din 300 bar
- Filling connections
- Diameter 208 mm / 8.1" max tank storage
- Door opening handle

OPTIONAL FILLING CONNECTIONS



CODE SC000470
BC DIN 232 bar



CODE SC000450
BC INT



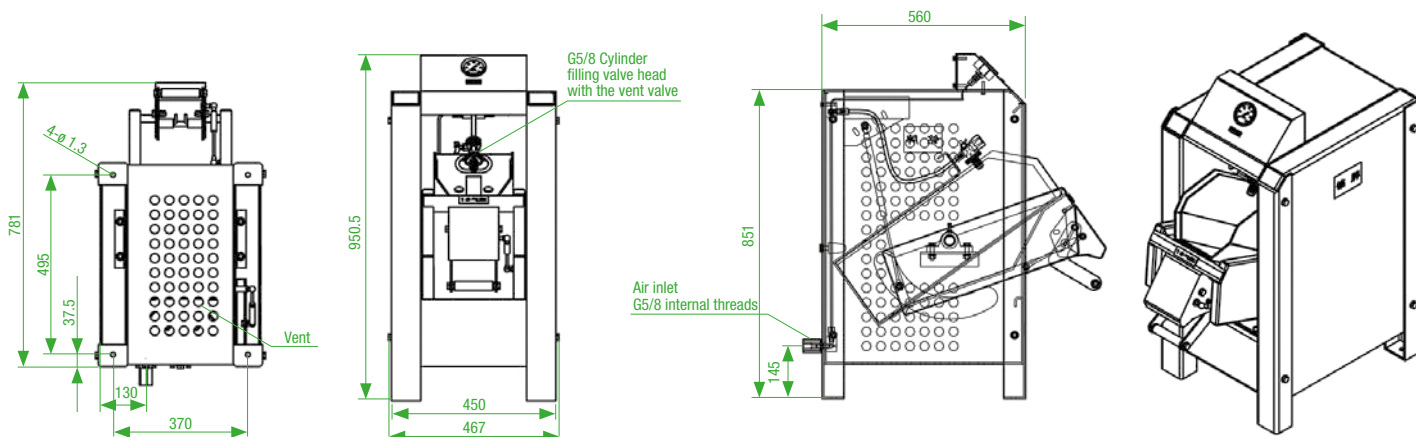
CODE SC000460
BC DIN 300 bar



CODE RE100350
DIN/INT FITTING

TECHNICAL DATA

CODE	SC000852
MAX LENGTH CYLINDER	620 mm / 24.4"
FILLING CONNECTION	DIN 300 bar
TANK STORAGE	Diameter 208 mm / 8.1"
WEIGHT	144 Kg / 317.4 lbs
WORKING PRESSURE	232 - 330 bar / 3300 - 4700 psig
DIMENSION (W x H x D)	45 x 95 x 61 cm 17.7" x 37.4" x 24"



FILL CONTAINMENT CABINET 2 CYLINDERS

STANDARD EQUIPMENT

- Fill containment cabinet
- Transfer hose
- Diameter 220 mm / 8.6" max Tank storage
- Door opening handle

OPTIONAL FILLING CONNECTIONS



CODE SC000470
BC DIN 232 bar



CODE SC000450
BC INT



CODE SC000460
BC DIN 300 bar



CODE RE100350
DIN/INT FITTING



TECHNICAL DATA

CODE	SC000850
FILLING CONNECTION	DIN 300 bar
TANK STORAGE	Diameter 220 mm / 8.6"
WEIGHT	205 Kg / 452 lbs
DIMENSION (W x H x D)	71 x 104 x 60 cm 28" x 41" x 23.6"

FILL CONTAINMENT CABINET 2 CYLINDERS



STANDARD EQUIPMENT

- Pressure gauge
- Charging and pressure-management valves
- Fill containment cabinet
- Transfer hose
- Filling connections
- Diameter 208 mm / 8.1" max tank storage
- Door opening handle

OPTIONAL FILLING CONNECTIONS



CODE SC000470
BC DIN 232 bar



CODE SC000450
BC INT



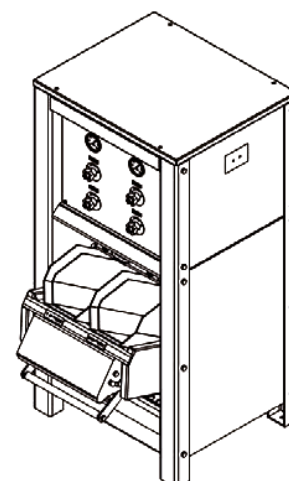
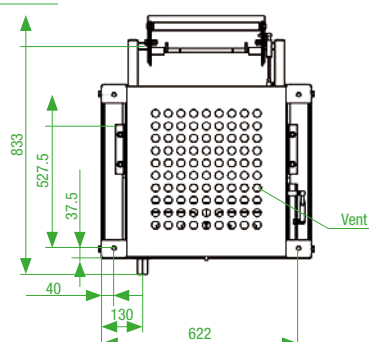
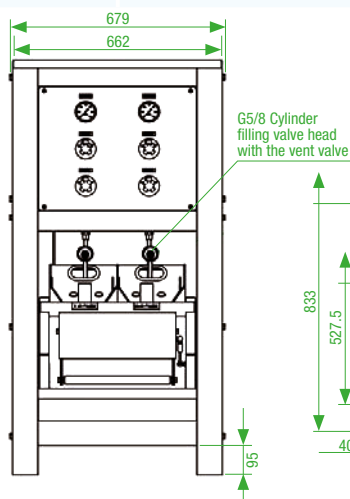
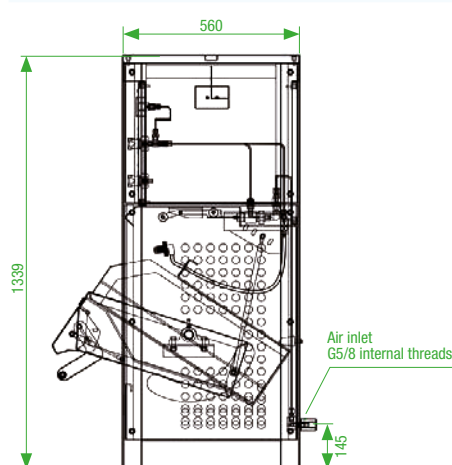
CODE SC000460
BC DIN 300 bar



CODE RE100350
DIN/INT FITTING

TECHNICAL DATA

CODE	SC000855
MAX LENGTH CYLINDER	620 mm / 24.4"
FILLING CONNECTION	DIN 300 bar
TANK STORAGE	Diameter 208 mm / 8.1"
WEIGHT	222 Kg / 489.4 lbs
DIMENSION (W x H x D)	69 x 133 x 59 cm 27.1" x 52.3" x 23.2"



FILL CONTAINMENT CABINET 4 CYLINDERS

STANDARD EQUIPMENT

- Pressure gauge
- Charging and pressure-management valves
- Fill containment cabinet
- Transfer hose
- Filling connections
- Diameter 208 mm / 8.1" max tank storage
- Door opening handle

OPTIONAL FILLING CONNECTIONS



CODE SC000470
BC DIN 232 bar



CODE SC000450
BC INT



CODE SC000460
BC DIN 300 bar

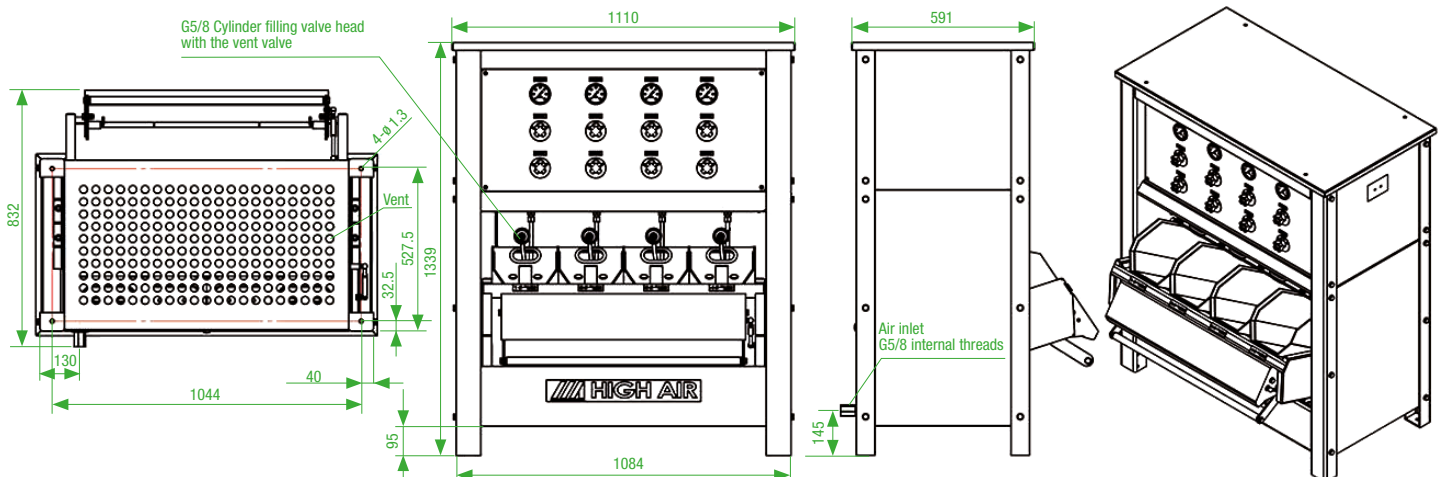


CODE RE100350
DIN/INT FITTING



TECHNICAL DATA

CODE	SC000854
MAX LENGTH CYLINDER	620 mm / 24.4"
FILLING CONNECTION	DIN 300 bar
TANK STORAGE	Diameter 208 mm / 8.1"
WEIGHT	310 Kg / 683.4 lbs
DIMENSION (W x H x D)	112 x 133 x 60 cm 44" x 52.3" x 23.2"



FILL CONTAINMENT CABINET MULTIPLE FILL WITH SWING DOOR



STANDARD EQUIPMENT

- Pressure gauge
- Charging and pressure-management valves
- Fill containment cabinet
- Transfer hose
- Filling connections
- Diameter 208 mm / 8.1" max tank storage
- Door opening handle

OPTIONAL FILLING CONNECTIONS



CODE SC000470
BC DIN 232 bar



CODE SC000450
BC INT



CODE SC000460
BC DIN 300 bar



CODE RE100350
DIN/INT FITTING

TECHNICAL DATA

CODE	SC000856
FILLING CONNECTION	DIN 300 bar
WEIGHT	500 Kg / 1102.3 lbs
DIMENSION (W x H x D)	72 x 135 x 85 cm 28.3" x 52.3" x 33.4"

It's possible to recharge 2 twin cylinders.

AEROTECNICA COLTRI® S.p.A.

Via dei Colli Storici 177
25015 Desenzano del Garda
Brescia - ITALY

Tel: +39.030.9910301

+39.030.9910297

Fax: +39.030.9910283

www.coltri.com

info@coltri.com



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technical gases

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