

FILLING STATIONS

BREATHING AIR

2 0 2 1

High pressure
compressors for
breathing air and
technical gases.

Northern Diver Partner

COLTRI

COMPANY

Aerotecnica Coltri was founded in the 1960s in response to a specific need, which was to offer support to the diving sector. So we structured our workshops to create a production of high-pressure compressors for breathable air. We have set them up in Italy, where we directly control all processes, from the concept to its assembly.

Our propensity for innovation has allowed us not to stop at diving. We have expanded our offer with products dedicated to technical gases, applying the same uncompromising quality-oriented vision that is typical of Made in Italy.

Constant evolution in design and manufacturing has thus become the central element of our identity: more than fifty years of development have enabled us to create machines that now represent the reference point for the sector worldwide.

This propensity for research and development has allowed us to go from being users of the most modern technical options to being protagonists of technological progress in the sector. We use all the most modern equipment, such as robots and numerically controlled machine tools, to make products that are increasingly reliable, efficient and long-lasting.

Each component of the pump units is designed and created in the Coltri workshops and is the result of careful study and numerous tests. We assemble all the compressors shown in this catalogue in their entirety in our own factory according to strict quality standards. We use machines of extraordinary technical precision such as ZEISS®, which plays a fundamental role in dimen-

sional metrology; this allows us to detect the geometric characteristics of the pieces and predict their behaviour when used as components of more complex assemblies.

Our focus and constant growth, guided by clear objectives of excellence, have enabled us to obtain quality certifications of international standing, rewarding our dedication and commitment.

We like to see ourselves as enablers. We create our machines so it is easier to challenge oneself, overcome limits and imagine new possibilities. Whether it's leisure activities, industrial applications or emergency support, Coltri Compressors is here to raise the bar further, to enable you to reach the unexplored.

[#reachtheunexplored](#)



Our **dedication** and our **commitment**
have allowed us to obtain
quality certifications
recognized internationally

Technical characteristics, compressor frame colors, accessories and consumables in this catalogue may be modified at any time without notice.

UNI EN ISO **9001:2015**



SISTEMA DI GESTIONE
QUALITÀ CERTIFICATO

CERTIFIED QUALITY
MANAGEMENT SYSTEM



UNI EN ISO **9001:2015**

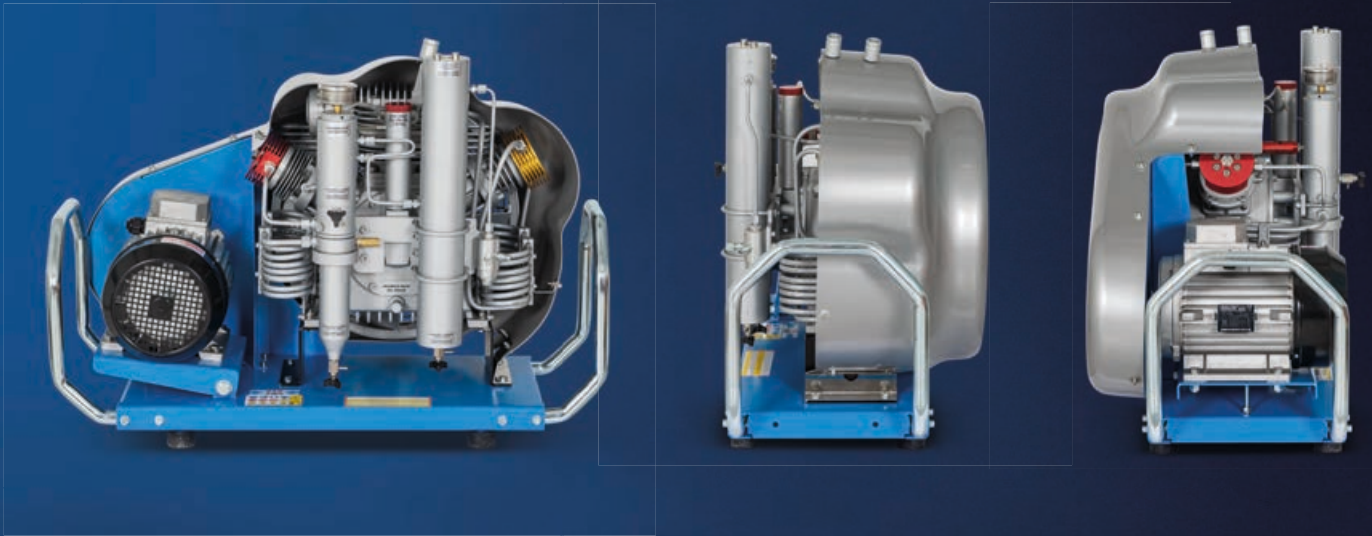


SMART

LINE: EFFICIENT



Models of the SMART line are the direct evolution of the STANDARD ones, among the most known and sold in the world. All versions are equipped with two high pressure hose connections (from 232 to 330 bar), a single-phase or three-phase electric motor, robust pumping units (MCH 8, MCH 13 or MCH 16 depending on the specific model) and a compact frame with handles, suitable for transport. As optionals we find the external charging panels and the electric panel complete with its automatism including the automatic condensate drain and the pressure gauge with autostop.

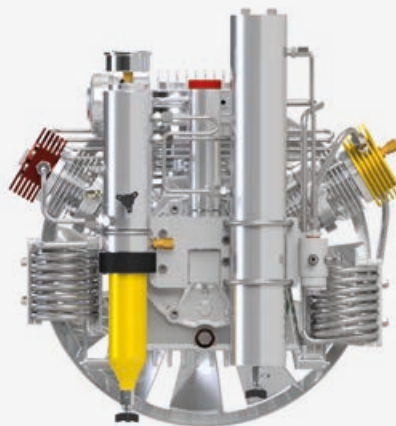


DRIVEN BY	CHARGING RATE	WORKING PRESSURE	FILLING TIME*
Single-phase electric motor	From 125 to 315 l/m	330 Bar	From 16 min. to 6 min. e 20 sec.
Three-phase electric motor			

MCH 8 STANDARD
PUMPING UNIT



MCH 11-13-16 SMART
PUMPING UNIT



TECHNICAL DATA

	MCH 8	MCH 11	MCH 13	MCH 16
DRIVEN BY	Single-phase 230 V - 50 Hz	Single-phase 230 V - 50 Hz	Three-phase 230 V - 50 Hz	Three-phase 230 V - 50 Hz
ENGINE POWER	3kW 4 Hp	4kW 5.5 Hp	4kW 5.5 Hp	5.5kW 7.5 Hp
CHARGING RATE	125l/min 7.5m³/h 4.4CFM FAD	195l/min 11.7m³/h 6.9CFM FAD	235l/min 14.1m³/h 8.3CFM FAD	315l/min 18.9m³/h 11.1CFM FAD
FILLING TIME*	16 min.	10 min.	8.30 min.	6.20 min.
WORKING PRESSURE	330 bar 4786 psig	330 bar 4786 psig	330 bar 4786 psig	330 bar 4786 psig
NET WEIGHT Approx.	93Kg 205lb	100Kg 220.5lb	95Kg 209.5lb	105Kg 231.5lb
NOISE	79 dB	79 dB	80.7 dB	82.3 dB

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

AVAILABLE ON REQUEST: MCH 16 SINGLE-PHASE ELECTRIC MOTOR.

STANDARD

**DRV 232 bar - 3365 psig / DRV
300 bar - 4351 psig**
2 valves DRV
(Pag. 55)

FILLING HOSES
2 filling hoses 1.2 m
3.9 ft length

MAXIFILTER
Filtration
(Pag. 56)

OPTIONAL

REMOTE FILLING PANELS
(Pag. 54)

**AUTOMATIC CONDENSATE
DRAIN**





FILLING HOSES
length: 1.5 - 2 - 3 - 4 - 5 - 8 - 10
m / 4.9 - 6.5 - 9.8 - 13.1 - 16.4 -
26.2 - 32.8 ft

DIN/INT
Fitting for filling connections
(Pag. 55)

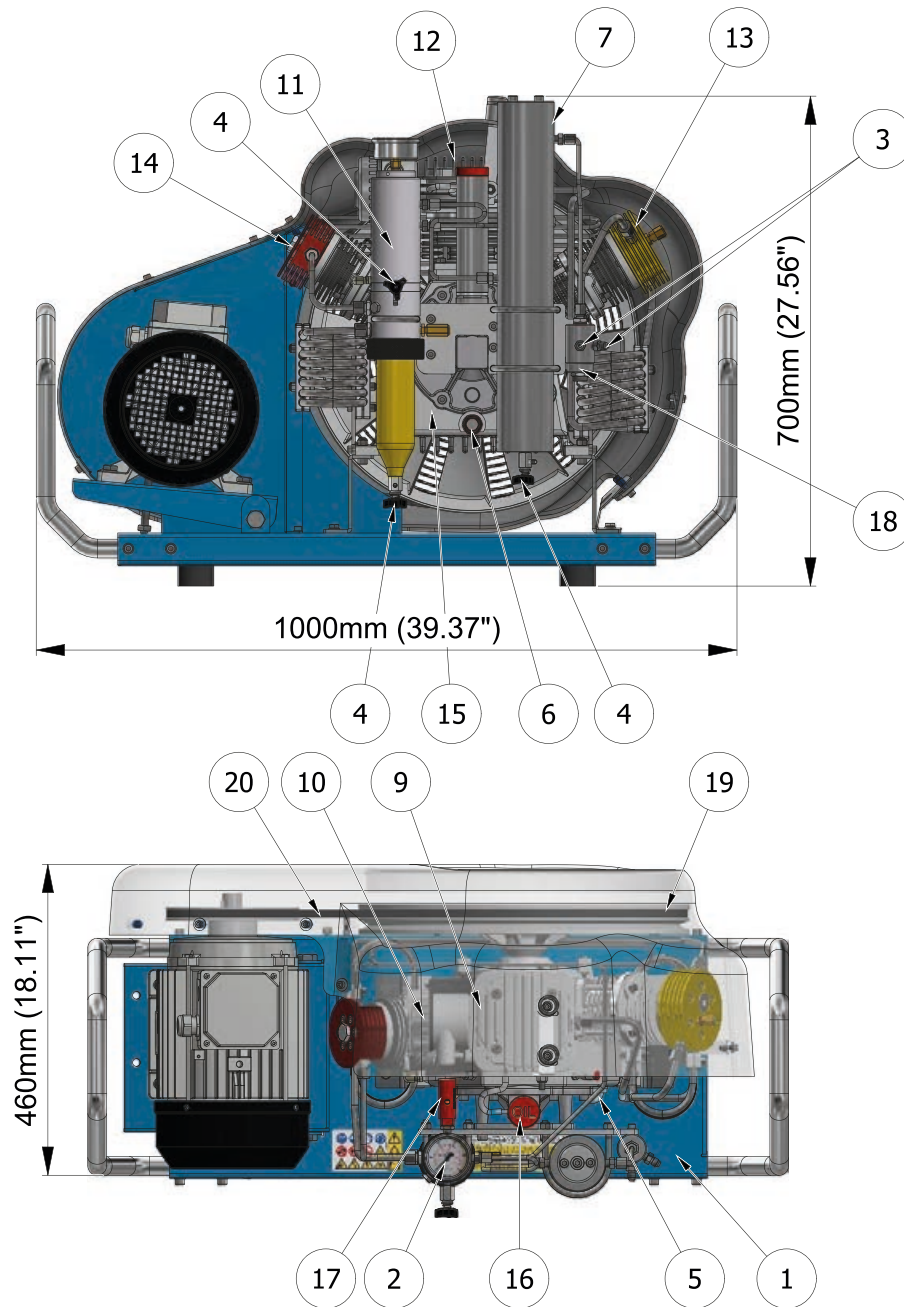
**DRV 232 bar- 3365 psig / DRV
300 bar - 4351 psig**
with pressure gauge
(Pag. 55)

PRESSURE SWITCH
auto shut-off

CYLINDERS REFILL

CYLINDERS	LITERS	MCH 8	MCH 11	MCH 13	MCH 16
	10	4	6	7	9,5
	11,1	3,5	5,5	6,5	9
	15	2,5	4	5	6,5
	10+10	2	3	3,5	5

DIMENSIONS AND MACHINE PARTS



- | | |
|----------------------------------|---------------------------------|
| 1 Frame | 11 Condensate separator |
| 2 Pressure gauge | 12 1 st stage |
| 3 Refill hoses connection | 13 2 nd stage |
| 4 Condensate drain valves | 14 3 rd stage |
| 5 Oil level gauge | 15 Crankcase |
| 6 Oil drain valves | 16 Oil filler plug |
| 7 Purifier filter | 17 Safety valve |
| 8 Motor | 18 Maintenance valve |
| 9 Compressor | 19 Cooling fan |
| 10 Air filter | 20 Belt |

MARK III SILENT

LINE: EFFICIENT

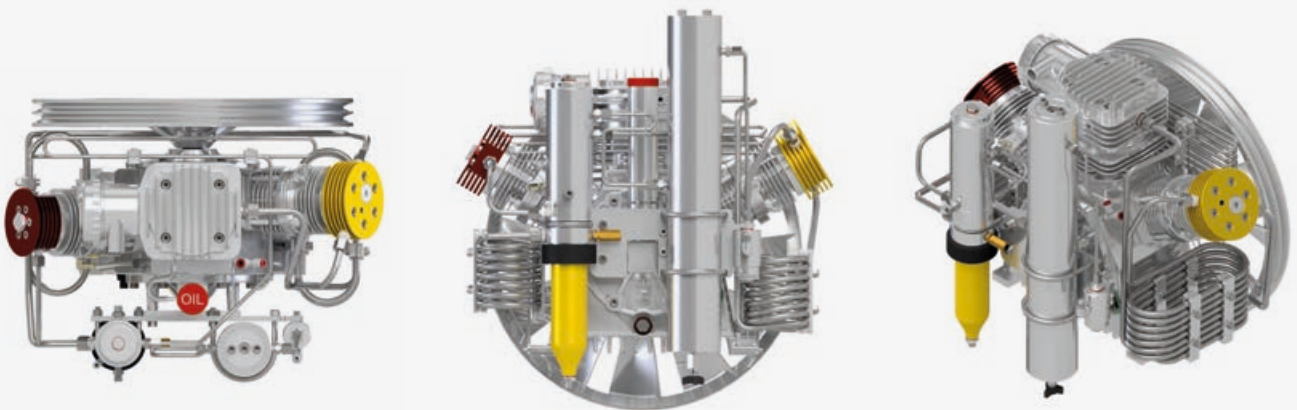


The MARK III SILENT model has been designed with control systems that allow effective monitoring of operations. The models in this line are equipped with two high pressure hose connections (from 232 to 330 bar) and various control systems: interstage pressure, oil level, cabin internal temperature and direction of rotation detector. They are equipped with three-phase motors and powerful pumping units (MCH 13, MCH 16 and MCH 18 depending on the specific model), automatic condensate drain and electrical panel to manage the automatic compressor shutdown. Among the available options there is the remote recharging panel.



DRIVEN BY	CHARGING RATE	WORKING PRESSURE	FILLING TIME*
Three-phase electric motor	From 235 to 315 l/m	330 Bar	From 8 min. 30 sec. to 6 min. 20 sec.

MCH 13-16 MARK III PUMPING UNIT



TECHNICAL DATA

	MCH 13	MCH 16
DRIVEN BY	Three-phase 400 V - 50 Hz	Three-phase 400 V - 50 Hz
ENGINE POWER	4 kW 5.5 Hp	5.5 kW 7.5 Hp
CHARGING RATE	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*	8.30 min.	6.20 min.
WORKING PRESSURE	330 bar 4786 psig	330 bar 4786 psig
NET WEIGHT Approx.	159 Kg 350 lb	159 Kg 350 lb
NOISE	74.9 dB	81 dB

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

STANDARD

DRV 232 bar - 3365 psig / DRV 300 bar - 4351 psig
2 valves DRV
(Pag. 55)

PHASE CONTROLLER
Automatic direction of rotation control

FILLING HOSES
2 filling hoses 1.2 m
3.9 ft length

AUTOMATIC CONDENSATE DRAIN

MAXIFILTER
Filtration
(Pag. 56)

PRESSURE SWITCH
auto shut-off

PRESSURE GAUGES
interstage control

OIL LEVEL
switch/auto shut-off





THERMOSTAT
Cabin temperature
thermostat/auto shut-off

OPTIONAL

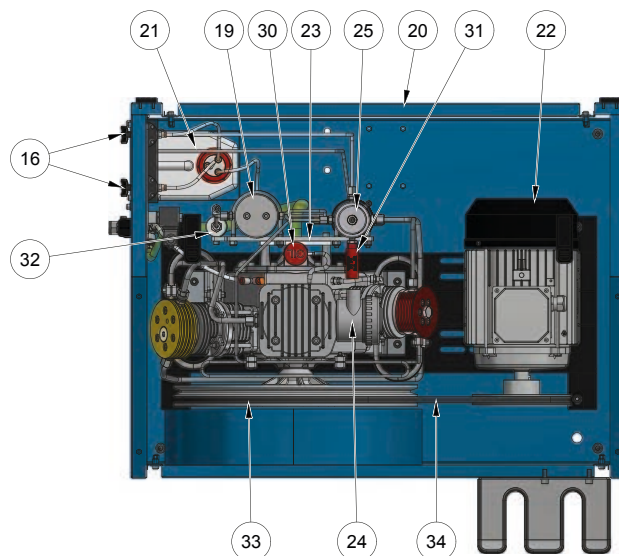
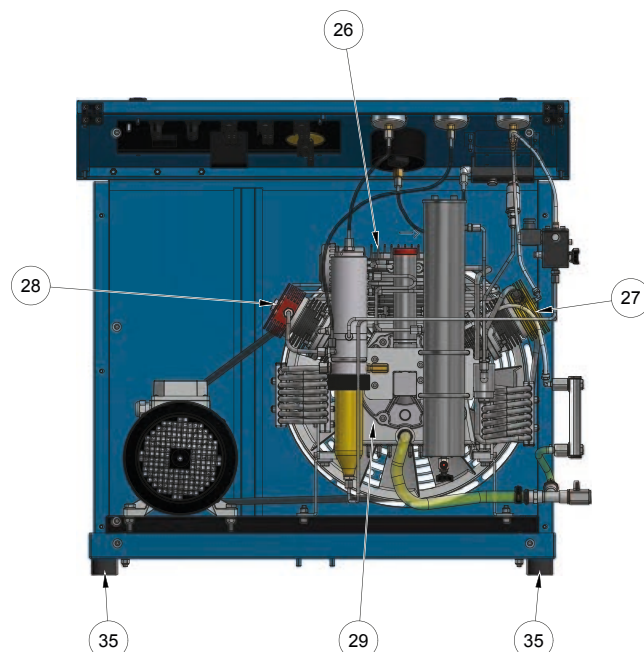
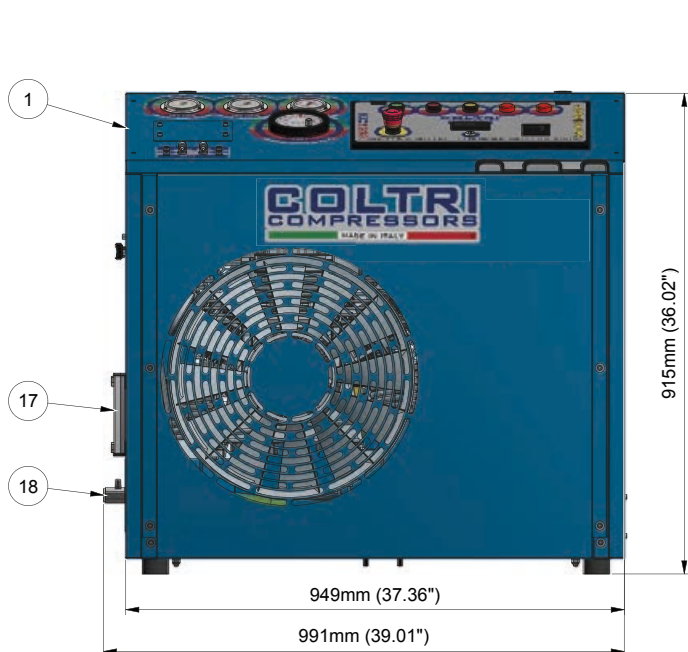
REMOTE FILLING PANELS
(Pag. 54)

FILLING HOSES
length: 1.5 - 2 - 3 - 4 - 5 - 8 - 10
m / 4.9 - 6.5 - 9.8 - 13.1 - 16.4 -
26.2 - 32.8 ft

NUMBER OF REFILLED CYLINDERS PER HOUR

CYLINDERS	LITERS	MCH 13	MCH 16
	10	7	9,5
	11,1	6,5	9
	15	5	6,5
	10+10	3,5	5

DIMENSIONS AND MACHINE PARTS



- | | | |
|---|--|--------------------------------------|
| 1 Frame | 12 3 rd stage pressure gauge | 25 Final condensate separator |
| 2 Control panel | 13 2 nd stage pressure gauge | 26 1 st stage |
| 3 On pushbutton | 14 1 st stage pressure gauge | 27 2 nd stage |
| 4 Off pushbutton | 15 Refill hoses connection | 28 3 rd stage |
| 5 Condensate drain pushbutton | 16 Condensate drain valves | 29 Crankcase |
| 6 Oil level warning light | 17 Oil level gauge | 30 Oil filler plug |
| 7 Wrong rotation direction alert | 18 Oil drain valves | 31 Safety valve |
| 8 Hour counter | 19 Purifier filter | 32 Maintenance valve |
| 9 Cabinet interior / cooling air temperature | 20 Intake extension hole | 33 Cooling fan |
| 10 Emergency pushbutton | 21 Condensate collection tank | 34 Belt |
| 11 Automatic shutdown pressure switch | 22 Motor | 35 Anti-vibration device |
| | 23 Compressor | |
| | 24 Air filter | |

SUPER SILENT EVO

LINE: EFFICIENT

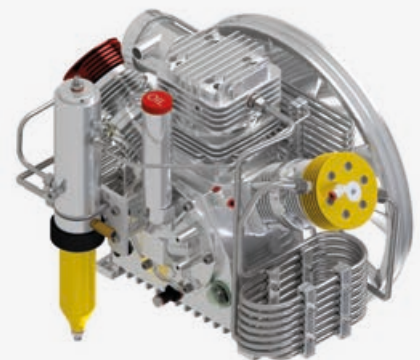
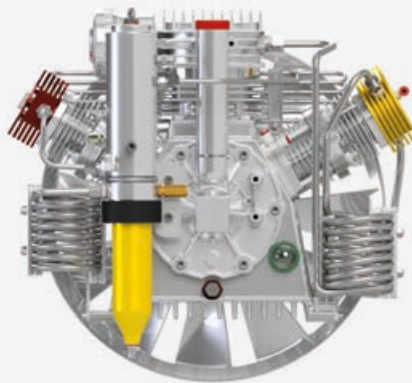


The SUPER SILENT EVO model is characterized by a high level of noise reduction. It has been designed by Coltri to meet specific needs: ease of use, soundproofing and monitoring capability through control systems that track compressor operations. Standard equipment includes: two high pressure hose connections (from 232 to 330 bar), interstage pressure gauges, oil level and internal cabin temperature control, rotation detector, three-phase electric motor, automatic condensate drain and autostop. It is available with the new MCH 13, MCH 16 and MCH 18 pumping units, as required.



DRIVEN BY	CHARGING RATE	WORKING PRESSURE	FILLING TIME*
Three-phase electric motor	From 235 to 330 l/m	330 Bar	From 8 min. 30 sec. to 6 min.

MCH 13-16-18 SUPER SILENT EVO PUMPING UNIT



TECHNICAL DATA

	MCH 13	MCH 16	MCH 18
DRIVEN BY	Three-phase 400 V - 50 Hz	Three-phase 400 V - 50 Hz	Three-phase 400 V - 50 Hz
ENGINE POWER	4 kW 5.5 Hp	5.5 kW 7.5 Hp	7.5 kW 10 Hp
CHARGING RATE	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*	8.30 min.	6.20 min.	6 min.
WORKING PRESSURE	330 bar 4786 psig	330 bar 4786 psig	330 bar 4786 psig
NET WEIGHT Approx.	225 Kg 496 lb	235 Kg 518 lb	235 Kg 518 lb
NOISE	66.2 dB	68.8 dB	69.8 dB

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

STANDARD

DRV 232 bar - 3365 psig / DRV 300 bar - 4351 psig
2 valves DRV
(Pag. 55)

PHASE CONTROLLER
Automatic direction of rotation control

Filling hoses
2 filling hoses 1.2 m
3.9 ft length

Automatic condensate drain

MAXIFILTER
Filtration
(Pag. 56)

PRESSURE SWITCH
auto shut-off

PRESSURE GAUGES
interstage control

OIL LEVEL
switch/auto shut-off

THERMOSTAT
Cabin temperature
thermostat/auto shut-off





OPTIONAL

REMOTE FILLING PANELS
(Pag. 54)

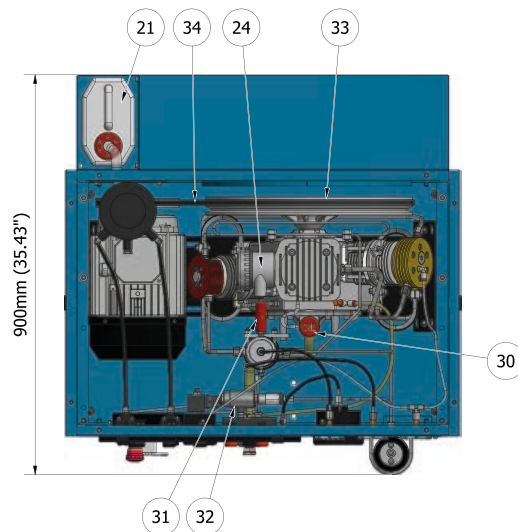
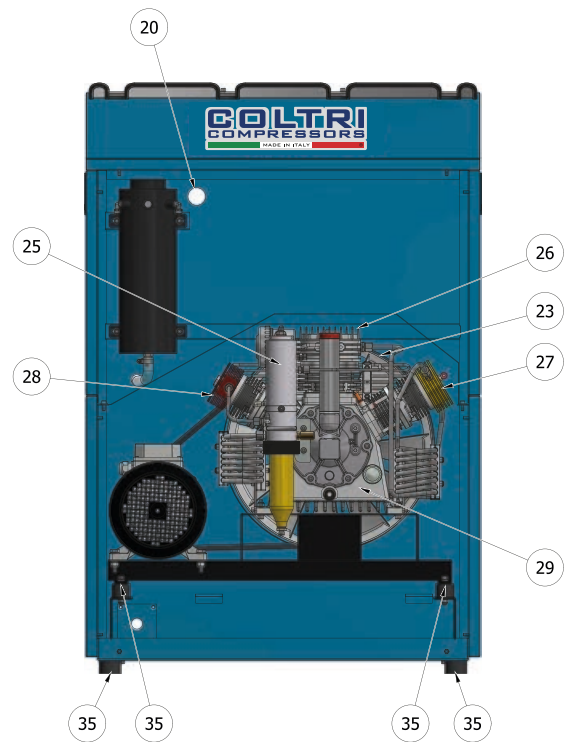
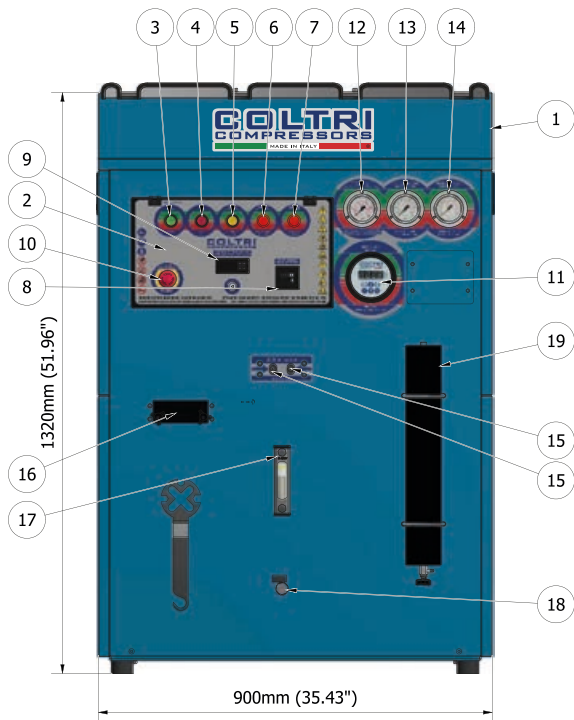
FILLING HOSES
length: 1.5 - 2 - 3 - 4 - 5 - 8 - 10
m / 4.9 - 6.5 - 9.8 - 13.1 - 16.4 -
26.2 - 32.8 ft

REFRIGERATOR
(Pag. 48)

NUMBER OF REFILLED CYLINDERS PER HOUR

CYLINDERS	LITERS	MCH 13	MCH 16	MCH 18
	10	7	9,5	10
	11,1	6,5	9	9
	15	5	6,5	7
	10+10	3,5	5	5

DIMENSIONS AND MACHINE PARTS



- | | | |
|---|--|--------------------------------------|
| 1 Frame | 12 3 rd stage pressure gauge | 25 Final condensate separator |
| 2 Control panel | 13 2 nd stage pressure gauge | 26 1 st stage |
| 3 On pushbutton | 14 1 st stage pressure gauge | 27 2 nd stage |
| 4 Off pushbutton | 15 Refill hoses connection | 28 3 rd stage |
| 5 Condensate drain pushbutton | 16 Condensate drain valves | 29 Crankcase |
| 6 Oil level warning light | 17 Oil level gauge | 30 Oil filler plug |
| 7 Wrong rotation direction alert | 18 Oil drain valves | 31 Safety valve |
| 8 Hour counter | 19 Purifier filter | 32 Maintenance valve |
| 9 Cabinet interior / cooling air temperature | 20 Intake extension hole | 33 Cooling fan |
| 10 Emergency pushbutton | 21 Condensate collection tank | 34 Belt |
| 11 Automatic shutdown pressure switch | 22 Motor | 35 Anti-vibration device |
| | 23 Compressor | |
| | 24 Air filter | |

ERGO

LINE: EFFICIENT

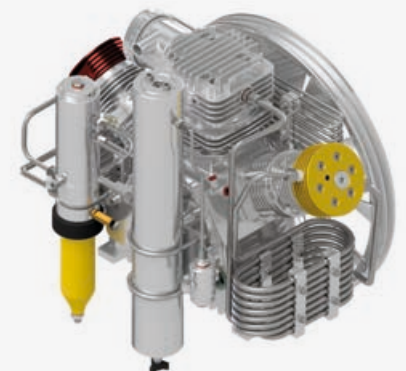
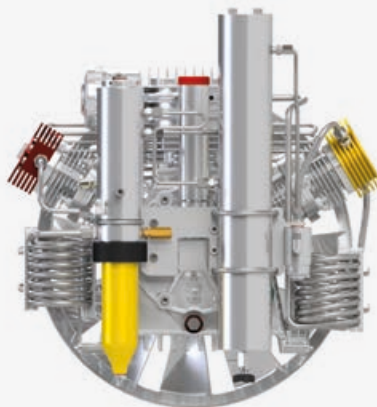


The ERGO model of the Efficient line stands out for its durability, carrying comfort and great operational efficiency. Equipped with two different pumping units (MCH 13 and MCH 16), it can be powered by single-phase, three-phase, Honda petrol or Lombardini diesel electric motors as required. Compressors of the series are equipped with monitoring panel, complete with interstage pressure gauges, autostop with adjustable pressure switch, automatic condensate drain and direction of rotation control. The models have two high pressure hose connections (from 232 to 330 bar) and a Maxifilter filtering system. The remote refill panel is available as an option.



DRIVEN BY	CHARGING RATE	WORKING PRESSURE	FILLING TIME*
Single-phase electric motor	From 235 to 285 l/m	330 Bar	From 8 min. 30 sec. to 7 min.
Three-phase electric motor			
HONDA GX390			
Kohler/Lombardini KD15-440			

MCH 13-16 ERGO PUMPING UNIT



TECHNICAL DATA

	MCH 13	MCH 16	MCH 16
DRIVEN BY	Three-phase 230 V - 50 Hz	Single-phase 230 V - 60 Hz	Three-phase 230 V - 50 Hz
ENGINE POWER	4 kW	5.5 kW	5.5 kW
	5.5 Hp	7.5 Hp	7.5 Hp
CHARGING RATE	235 l/min	315 l/min	315 l/min
	14.1 m ³ /h	18.9 m ³ /h	18.9 m ³ /h
	8.3 CFM FAD	11.1 CFM FAD	11.1 CFM FAD
FILLING TIME*	8.30 min.	6.20 min.	6.20 min.
WORKING PRESSURE	330 bar	330 bar	330 bar
	4786 psig	4786 psig	4786 psig
NET WEIGHT Approx.	147 Kg	156 Kg	153 Kg
	324 lb	344 lb	337 lb
NOISE	80.7 dB	82.3 dB	82.3 dB

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

STANDARD

DRV 232 bar - 3365 psig / DRV 300 bar - 4351 psig
2 valves DRV
(Pag. 55)

PHASE CONTROLLER
Automatic direction of rotation control

FILLING HOSES
2 filling hoses 1.2 m
3.9 ft length

AUTOMATIC CONDENSATE DRAIN

MAXIFILTER
Filtration
(Pag. 56)

PRESSURE SWITCH
auto shut-off

PRESSURE GAUGES
interstage control

OIL LEVEL
switch/auto shut-off





THERMOSTAT
Cabin temperature
thermostat/auto shut-off

OPTIONAL

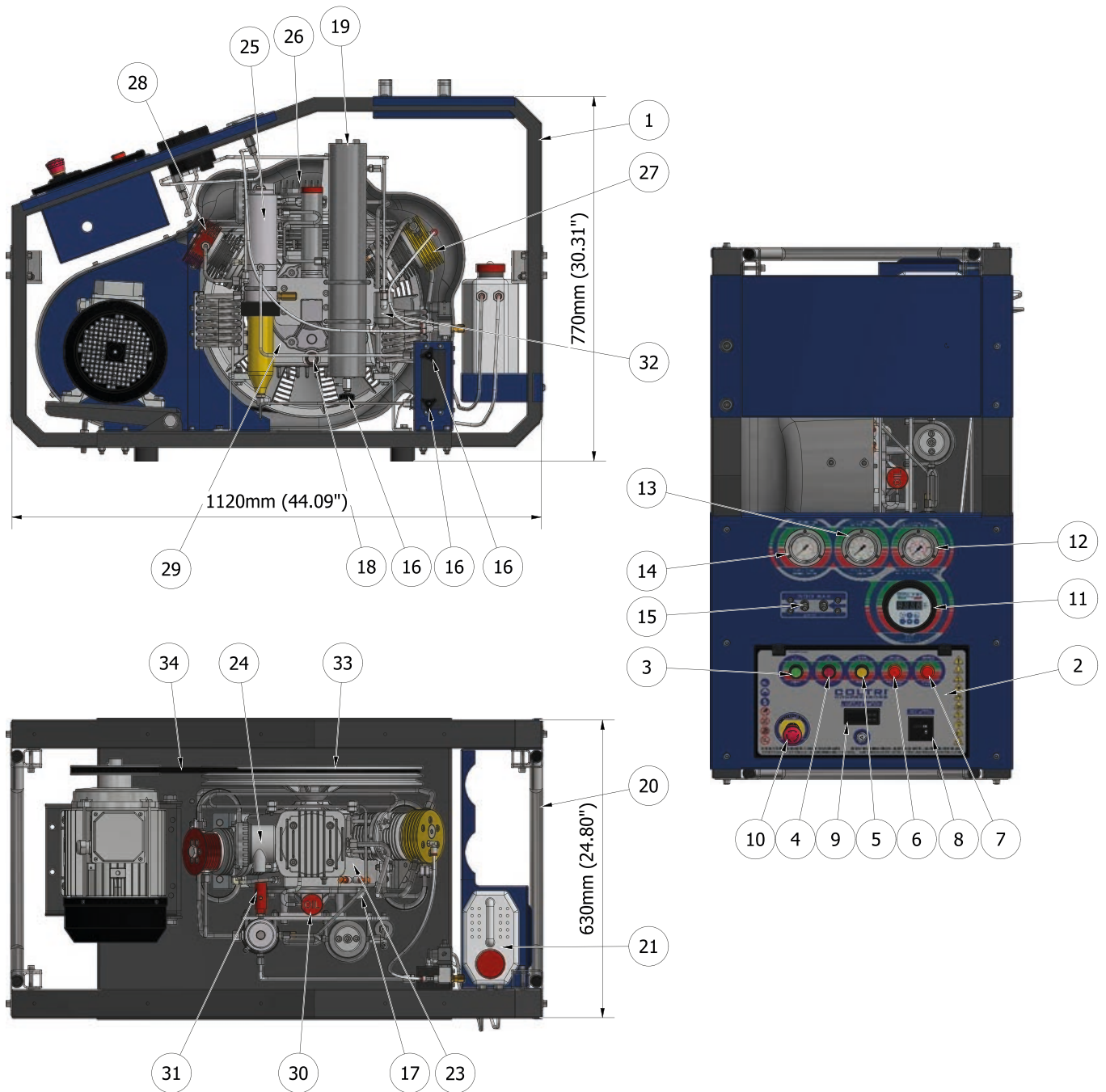
REMOTE FILLING PANELS
(Pag. 54)

FILLING HOSES
length: 1.5 - 2 - 3 - 4 - 5 - 8 - 10
m / 4.9 - 6.5 - 9.8 - 13.1 - 16.4 -
26.2 - 32.8 ft

NUMBER OF REFILLED CYLINDERS PER HOUR

CYLINDERS	LITERS	MCH 13	MCH 16
	10	7	9,5
	11,1	6,5	9
	15	5	6,5
	10+10	3,5	5

DIMENSIONS AND MACHINE PARTS



- | | | |
|---|--|--------------------------------------|
| 1 Frame | 12 3 rd stage pressure gauge | 24 Air filter |
| 2 Control panel | 13 2 nd stage pressure gauge | 25 Final condensate separator |
| 3 On pushbutton | 14 1 st stage pressure gauge | 26 1 st stage |
| 4 Off pushbutton | 15 Refill hoses connection | 27 2 nd stage |
| 5 Condensate drain pushbutton | 16 Condensate drain valves | 28 3 rd stage |
| 6 Oil level warning light | 17 Oil level gauge | 29 Crankcase |
| 7 Wrong rotation direction alert | 18 Oil drain valves | 30 Oil filler plug |
| 8 Hour counter | 19 Purifier filter | 31 Safety valve |
| 9 Cabinet interior / cooling air temperature | 20 Handles | 32 Maintenance valve |
| 10 Emergency pushbutton | 21 Condensate collection tank | 33 Cooling fan |
| 11 Automatic shutdown pressure switch | 22 Motor | 34 Belt |
| | 23 Compressor | |

TECHNICAL DATA

	MCH 16	MCH 16
DRIVEN BY	Honda GX 270	Koler/Lombardini KD15-440
ENGINE POWER	7 kW 9 Hp	7.5 kW 10 Hp
CHARGING RATE	285 l/min 17.1 m ³ /h 10 CFM FAD	285 l/min 17.1 m ³ /h 10 CFM FAD
FILLING TIME*	7 min.	7 min.
WORKING PRESSURE	330 bar 4786 psig	330 bar 4786 psig
NET WEIGHT Approx.	121 Kg 267 lb	164 Kg 362 lb
NOISE	95.6 dB	95.6 dB

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

STANDARD

**DRV 232 bar - 3365 psig / DRV
300 bar - 4351 psig**
2 valves DRV
(Pag. 55)

FILLING HOSES
2 filling hoses 1.2 m
3.9 ft length

MAXIFILTER
Filtration
(Pag. 56)





OPTIONAL

REMOTE FILLING PANELS
(Pag. 54)

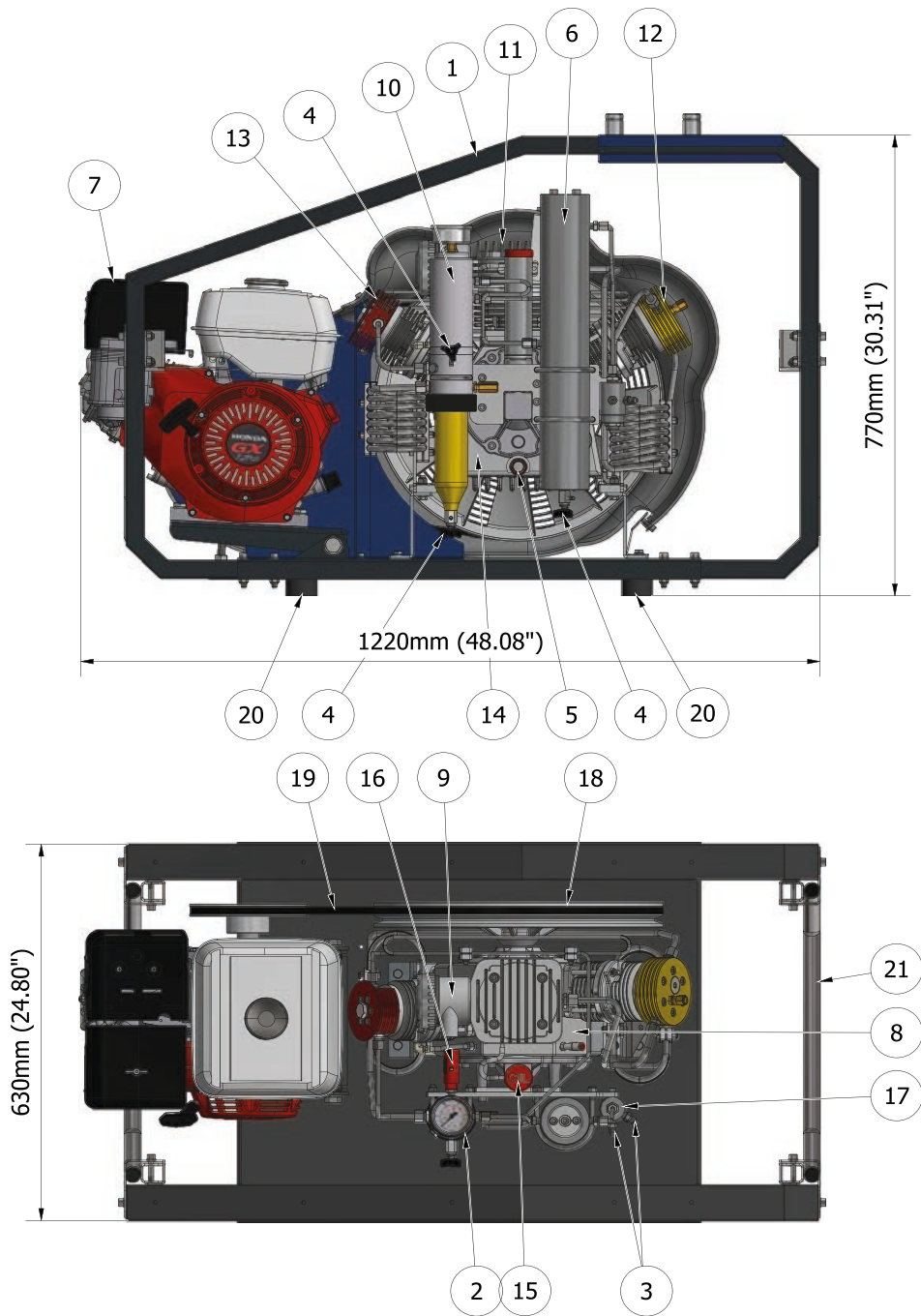
FILLING HOSES
length: 1.5 - 2 - 3 - 4 - 5 - 8 - 10
m / 4.9 - 6.5 - 9.8 - 13.1 - 16.4 -
26.2 - 32.8 ft

DIGITAL HOUR METER
(Available only for: HONDA
GX270)

CYLINDERS REFILL

CYLINDERS	LITERS	MCH 16 PETROL / DIESEL
	10	8,5
	11,1	8
	15	6
	10+10	4,5

DIMENSIONS AND MACHINE PARTS



- | | | | |
|----|----------------------------|----|-----------------------|
| 1 | Frame | 12 | 2 nd stage |
| 2 | Pressure gauge | 13 | 3 rd stage |
| 3 | Refill hoses connection | 14 | Crankcase |
| 4 | Condensate drain valves | 15 | Oil filler plug |
| 5 | Oil drain valves | 16 | Safety valve |
| 6 | Purifier filter | 17 | Maintenance valve |
| 7 | Internal combustion engine | 18 | Cooling fan |
| 8 | Compressor | 19 | Belt |
| 9 | Air filter | 20 | Anti-vibration device |
| 10 | Condensate separator | 21 | Handles |
| 11 | 1 st stage | | |

ERGO TPS

LINE: PRIME

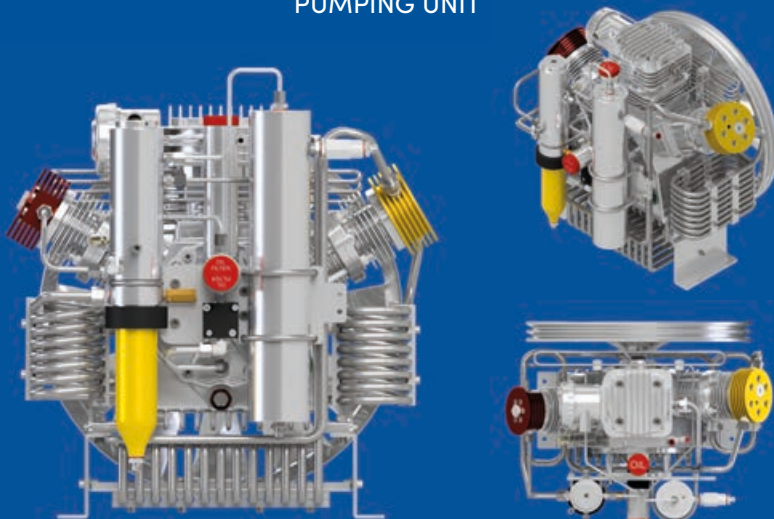


Compact size, high performance and durability are the main features of ERGO TPS breathing air compressors. They are equipped with four different pumping units (MCH 13, MCH 16, MCH 21 and MCH 23) all in TPS (Tropical Plus Superdry) version and powered by three-phase electric motors or combustion engines, Honda for the petrol version, Lombardini for the diesel version. Compressors are equipped with a panel complete of monitoring system including pressure gauges, autostop with adjustable pressure switch, automatic condensate drain and direction of rotation control. The models of this line have two high pressure hose connections (from 232 to 330 bar) and an increased filtering system with two Hyperfilters. A remote refill panel is available as an optional.

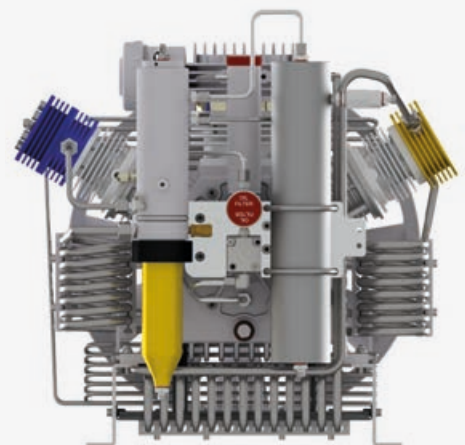


DRIVEN BY	CHARGING RATE	WORKING PRESSURE	FILLING TIME*
Three-phase electric motor	From 235 to 380 l/m	330 Bar	From 8 min. 30 sec. to 5 min. 15 sec.
HONDA GX390			
Kohler/Lombardini KD15-440			

MCH 13-16 TPS PUMPING UNIT



MCH 21-23 TPS PUMPING UNIT



TECHNICAL DATA

	MCH 13	MCH 16	MCH 21	MCH 23
DRIVEN BY	Three-phase 230 V - 50 Hz	Three-phase 230 V - 50 Hz	Three-phase 230 V - 50 Hz	Three-phase 230 V - 50 Hz
ENGINE POWER	4 kW 5.5 Hp	5.5 kW 7.5 Hp	7.5 kW 10 Hp	7.5 kW 10 Hp
CHARGING RATE	235 l/min 14.1 m³/h 8.3 CFM FAD	315 l/min 18.9 m³/h 11.1 CFM FAD	345 l/min 20.7 m³/h 12.2 CFM FAD	380 l/min 22.8 m³/h 13.4 CFM FAD
FILLING TIME*	8.30 min.	6.20 min.	5.40 min.	5.15 min.
WORKING PRESSURE	330 bar 4786 psig	330 bar 4786 psig	330 bar 4786 psig	330 bar 4786 psig
NET WEIGHT Approx.	180 Kg 180 lb	186 Kg 410 lb	189 Kg 417 lb	189 Kg 417 lb
NOISE	80.7 dB	83.2 dB	83 dB	83 dB

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

AVAILABLE ON REQUEST: MCH 13 / MCH 16 SINGLE-PHASE ELECTRIC MOTOR

STANDARD

DRV 232 bar - 3365 psig / DRV 300 bar - 4351 psig
2 valves DRV
(Pag. 55)

AUTOMATIC CONDENSATE DRAIN

FILLING HOSES
2 filling hoses 1.2 m
3.9 ft length

AUTOSTOP
232 bar - 300 bar

DOUBLE HYPERFILTER FILTRATION
PED certified
(Pag. 57)

ELECTRIC STARTER





OPTIONAL

REMOTE FILLING PANELS
(Pag. 54)

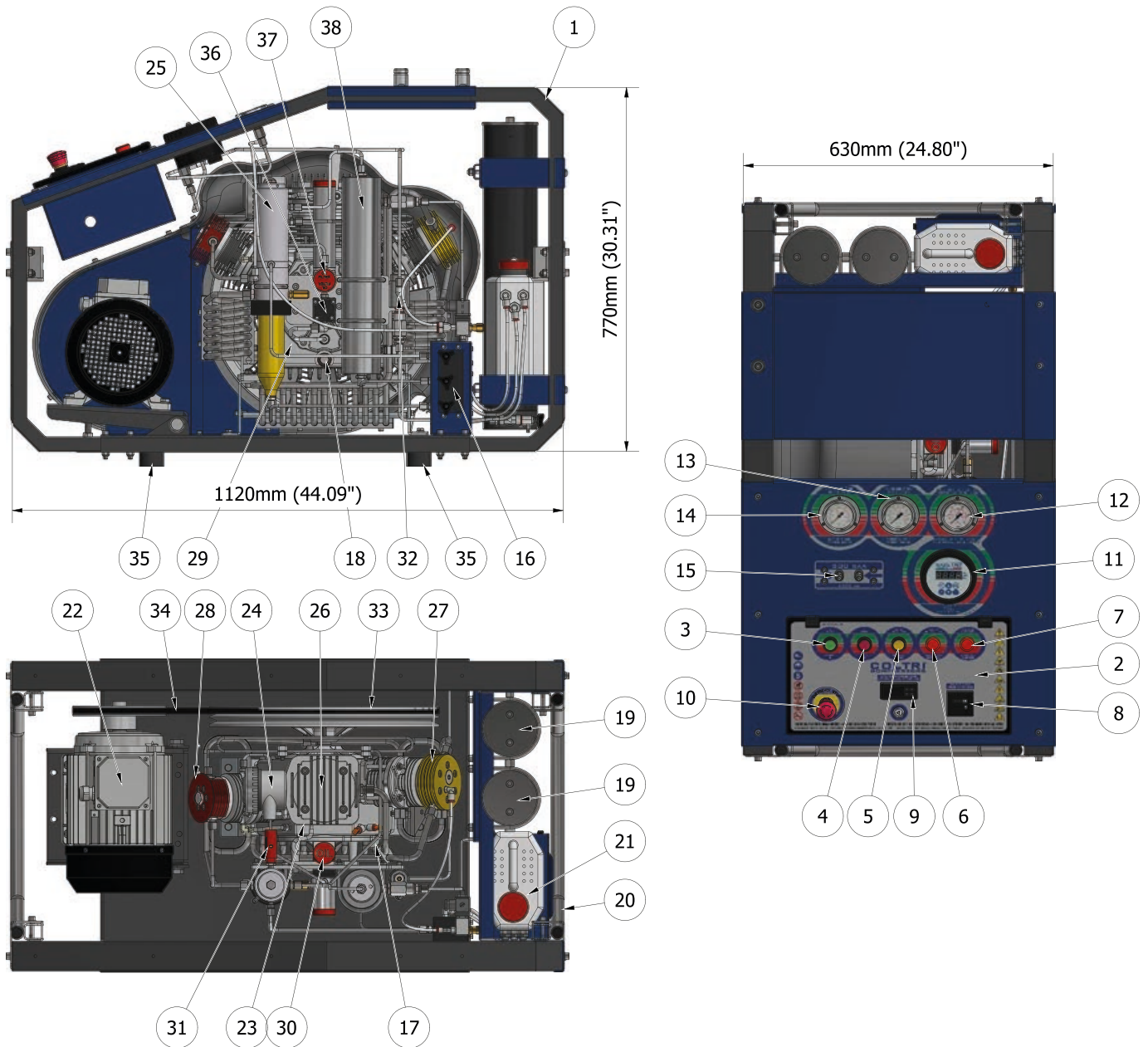
FILLING HOSES
length: 1.5 - 2 - 3 - 4 - 5 - 8 - 10
m / 4.9 - 6.5 - 9.8 - 13.1 - 16.4 -
26.2 - 32.8 ft

PRESEC
visual filtration saturation
indicator
(Pag. 49)

NUMBER OF REFILLED CYLINDERS PER HOUR

CYLINDERS	LITERS	MCH 13	MCH 16	MCH 21	MCH 23
	10	7	9,5	10,5	11,5
	11,1	6,5	9	9,5	10,5
	15	5	6,5	7	8
	10+10	3,5	5	5,5	6

DIMENSIONS AND MACHINE PARTS



- | | | |
|---|--|-----------------------------------|
| 1 Frame | 13 2 nd stage pressure gauge | 27 2 nd stage |
| 2 Control panel | 14 1 st stage pressure gauge | 28 3 rd stage |
| 3 On pushbutton | 15 Refill hoses connection | 29 Crankcase |
| 4 Off pushbutton | 16 Condensate drain valves | 30 Oil filler plug |
| 5 Condensate drain pushbutton | 17 Oil level gauge | 31 Safety valve |
| 6 Oil level warning light | 18 Oil drain valves | 32 Maintenance valve |
| 7 Wrong rotation direction alert | 19 Purifier filter | 33 Cooling fan |
| 8 Hour counter | 20 Handles | 34 Belt |
| 9 Cabinet interior / cooling air temperature | 21 Condensate collection tank | 35 Anti-vibration device |
| 10 Emergency pushbutton | 22 Motor | 36 Oil pump |
| 11 Automatic shutdown pressure switch | 23 Compressor | 37 Oil filter |
| 12 3 rd stage pressure gauge | 24 Air filter | 38 HP condensate separator |
| | 25 Condensate separator | |
| | 26 1 st stage | |

TECHNICAL DATA

	MCH 23	MCH 23
DRIVEN BY	Petrol engine - Honda GX390	Diesel - Kohler/Lomb. KD15-440
ENGINE POWER	9.5 kW 12 Hp	7.5 kW 10 Hp
CHARGING RATE	320 l/min 19.2 m ³ /h 11.3 CFM FAD	320 l/min 19.2 m ³ /h 11.3 CFM FAD
FILLING TIME*	5.15 min.	5.15 min.
WORKING PRESSURE	330 bar 4786 psig	330 bar 4786 psig
NET WEIGHT Approx.	205 Kg 452 lb	219 Kg 483 lb
NOISE	83 dB	83 dB

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

STANDARD

**DRV 232 bar - 3365 psig / DRV
300 bar - 4351 psig**
2 valves DRV
(Pag. 55)

ELECTRIC STARTER

FILLING HOSES
2 filling hoses 1.2 m
3.9 ft length

AUTOSTOP
232 bar - 300 bar

**DOUBLE HYPERFILTER
FILTRATION**
PED certificated
(Pag. 57)

**AUTOMATIC CONDENSATE
DRAIN**





OPTIONAL

REMOTE FILLING PANELS
(Pag. 54)

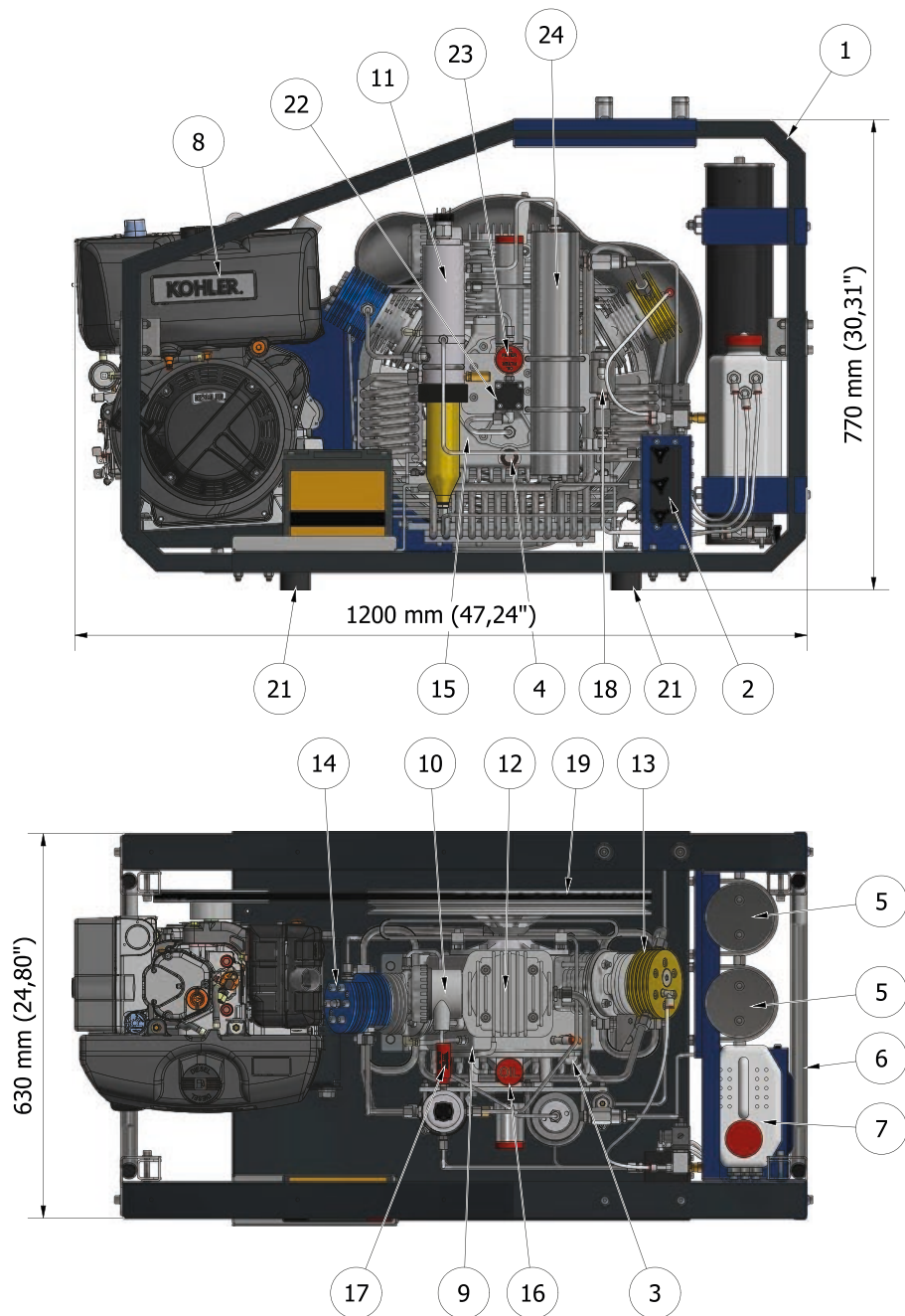
FILLING HOSES
length: 1.5 - 2 - 3 - 4 - 5 - 8 - 10
m / 4.9 - 6.5 - 9.8 - 13.1 - 16.4 -
26.2 - 32.8 ft

DIGITAL HOUR METER
(Available only for: HONDA
GX390)

NUMBER OF REFILLED CYLINDERS PER HOUR

CYLINDERS	LITERS	MCH 23 PETROL	MCH 23 DIESEL
	10	10	11,5
	11,1	9	10,5
	15	6,5	8
	10+10	5	6

DIMENSIONS AND MACHINE PARTS



- | | |
|-------------------------------------|---------------------------------|
| 1 Frame | 13 2 nd stage |
| 2 Condensate drain valves | 14 3 rd stage |
| 3 Check valve | 15 Crankcase |
| 4 Oil drain valves | 16 Oil filler plug |
| 5 Hyperfilter | 17 Safety valve |
| 6 Handles | 18 Maintenance valve |
| 7 Condensate collection tank | 19 Cooling fan |
| 8 Internal combustion engine | 20 Belt |
| 9 Compressor | 21 Anti-vibration device |
| 10 Air filter | 22 Oil pump |
| 11 Condensate separator | 23 Oil filter |
| 12 1 st stage | 24 Purifier filter |

MARK III SILENT TPS

LINE: PRIME

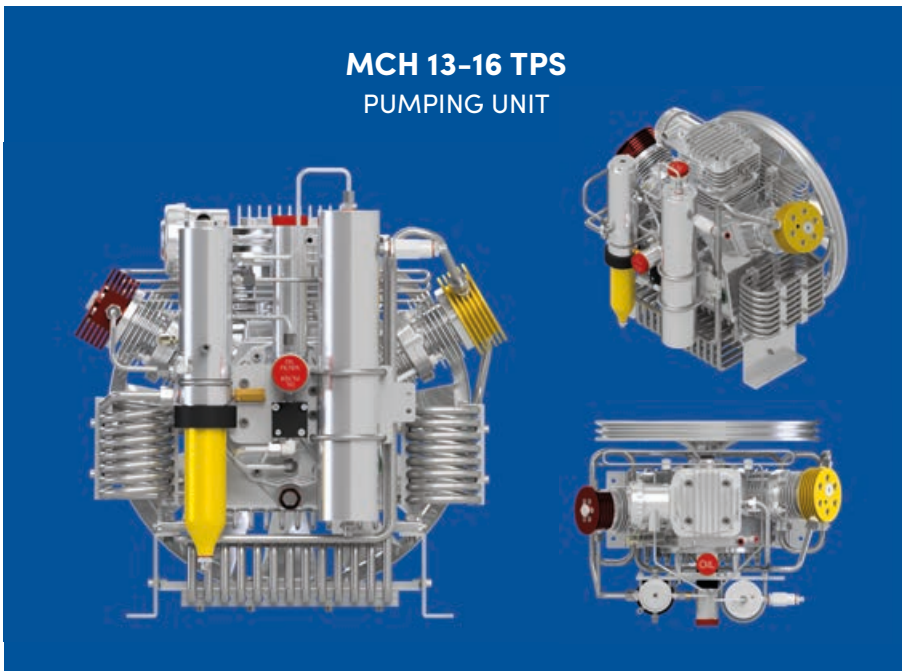


MARK III SILENT TPS line includes a series of uncompromising models designed for intensive use in hot, poorly ventilated environments or in tropical countries. Designed with an improved cooling system and a filtering system with two Hyperfilters, they are powered by a three-phase electric motor and equipped with four different pumping units (MCH 13, MCH 16, MCH 21 and MCH 23), all in TPS (Tropical Plus Superdry) version. They are available with function monitoring systems and electrical panel for automatic compressor shutdown.

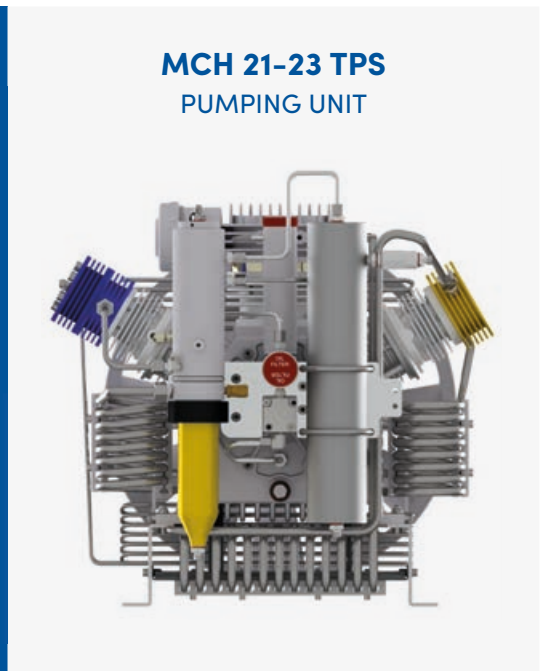


DRIVEN BY	CHARGING RATE	WORKING PRESSURE	FILLING TIME*
Three-phase electric motor	From 235 to 380 l/m	330 Bar	From 8 min. 30 sec. to 5 min. 15 sec.

MCH 13-16 TPS
PUMPING UNIT



MCH 21-23 TPS
PUMPING UNIT



TECHNICAL DATA

	MCH 13	MCH 16	MCH 21	MCH 23
DRIVEN BY	Three-phase 400 V - 50 Hz	Three-phase 400 V - 50 Hz	Three-phase 400 V - 50 Hz	Three-phase 400 V - 50 Hz
ENGINE POWER	4 kW 5.5 Hp	5.5 kW 7.5 Hp	7.5 kW 10 Hp	7.5 kW 7.5 Hp
CHARGING RATE	235 l/min 14.1 m³/h 8.3 CFM FAD	315 l/min 18.9 m³/h 11.1 CFM FAD	345 l/min 20.7 m³/h 12.2 CFM FAD	380 l/min 22.8 m³/h 13.4 CFM FAD
FILLING TIME*	8.30 min.	6.20 min.	5.40 min.	5.15 min.
WORKING PRESSURE	330 bar 4786 psig	330 bar 4786 psig	330 bar 4786 psig	330 bar 4786 psig
NET WEIGHT Approx.	181 Kg 399 lb	191 Kg 421 lb	191 Kg 421 lb	191 Kg 421 lb
NOISE	75 dB	76 dB	76 dB	76 dB

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

AVAILABLE ON REQUEST: MCH 13 / MCH 16 SINGLE-PHASE ELECTRIC MOTOR

STANDARD

DRV 232 bar - 3365 psig / DRV 300 bar - 4351 psig
2 valves DRV
(Pag. 55)

PHASE CONTROLLER
Automatic direction of rotation control

FILLING HOSES
2 filling hoses 1.2 m
3.9 ft length

AUTOMATIC CONDENSATE DRAIN

DOUBLE HYPERFILTER FILTRATION
PED certificated
(Pag. 57)

PRESSURE SWITCH
auto shut-off

PRESSURE GAUGES
interstage control

OIL LEVEL
switch/auto shut-off

THERMOSTAT
Cabin temperature
thermostat/auto shut-off

OIL PUMP

OPTIONAL





REMOTE FILLING PANELS
(Pag. 54)

FILLING HOSES
length: 1.5 - 2 - 3 - 4 - 5 - 8 - 10 m / 4.9 - 6.5 - 9.8 - 13.1 - 16.4 - 26.2 - 32.8 ft

PRESEC
visual filtration saturation indicator
(Pag. 49)

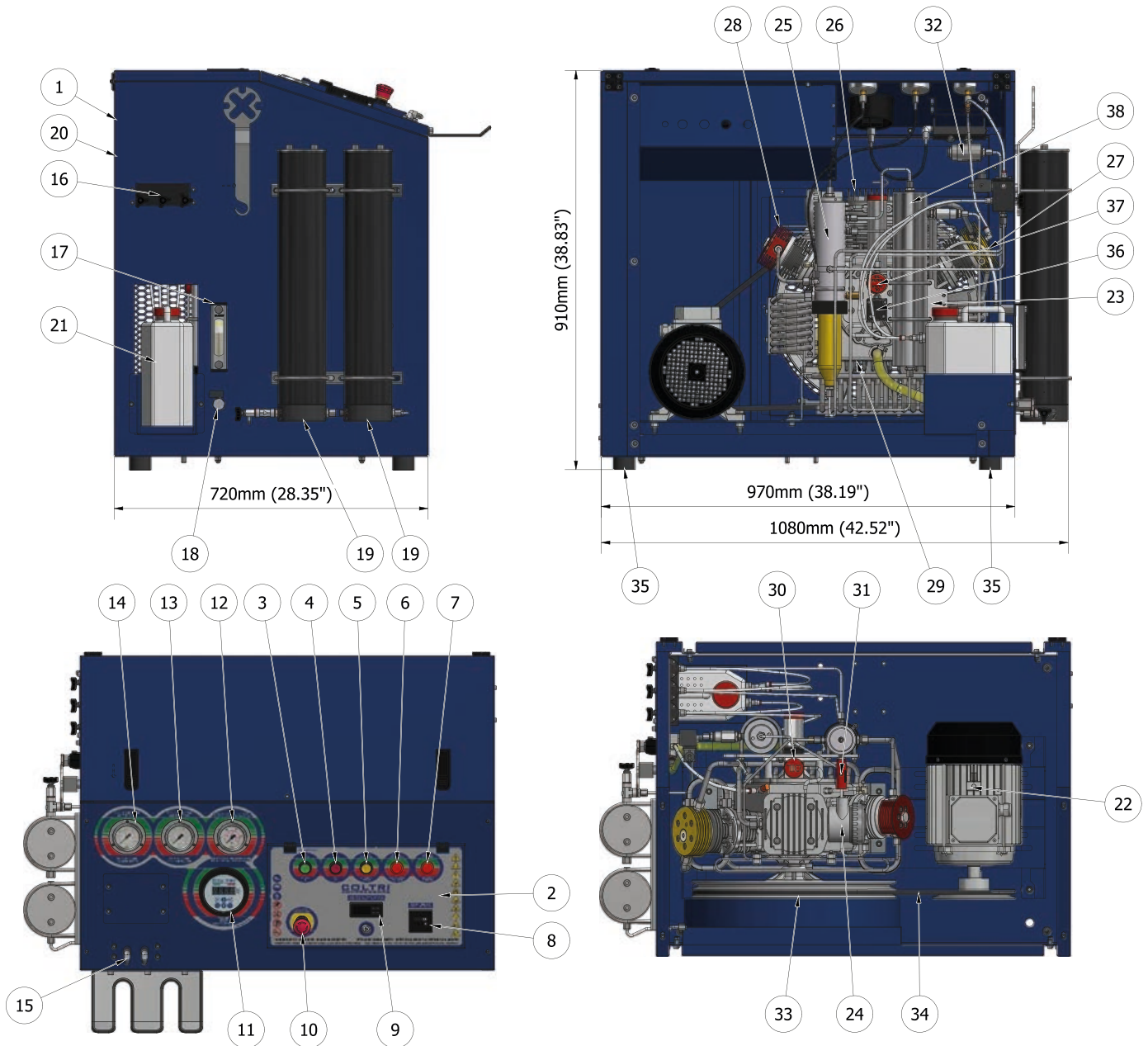
SAM Multigas
(Pag. 49)

NUMBER OF REFILLED CYLINDERS PER HOUR

CYLINDERS	LITERS	MCH 13	MCH 16	MCH 21	MCH 23
	10	7	9,5	10,5	11,5
	11,1	6,5	9	9,5	10,5
	15	5	6,5	7	8
	10+10	3,5	5	5,5	6

NUMBER OF REFILLED CYLINDERS PER HOUR

DIMENSIONS AND MACHINE PARTS



- | | | |
|---|--|-----------------------------------|
| 1 Frame | 13 2 nd stage pressure gauge | 27 2 nd stage |
| 2 Control panel | 14 1 st stage pressure gauge | 28 3 rd stage |
| 3 On pushbutton | 15 Refill hoses connection | 29 Crankcase |
| 4 Off pushbutton | 16 Condensate drain valves | 30 Oil filler plug |
| 5 Condensate drain pushbutton | 17 Oil level gauge | 31 Safety valve |
| 6 Oil level warning light | 18 Oil drain valves | 32 Maintenance valve |
| 7 Wrong rotation direction alert | 19 Purifier filter | 33 Cooling fan |
| 8 Hour counter | 20 Intake extension hole | 34 Belt |
| 9 Cabinet interior / cooling air temperature | 21 Condensate collection tank | 35 Anti-vibration device |
| 10 Emergency pushbutton | 22 Motor | 36 Oil pump |
| 11 Automatic shutdown pressure switch | 23 Compressor | 37 Oil filter |
| 12 3 rd stage pressure gauge | 24 Air filter | 38 HP condensate separator |
| | 25 Condensate separator | |
| | 26 1 st stage | |

SUPER SILENT TPS

LINE: PRIME

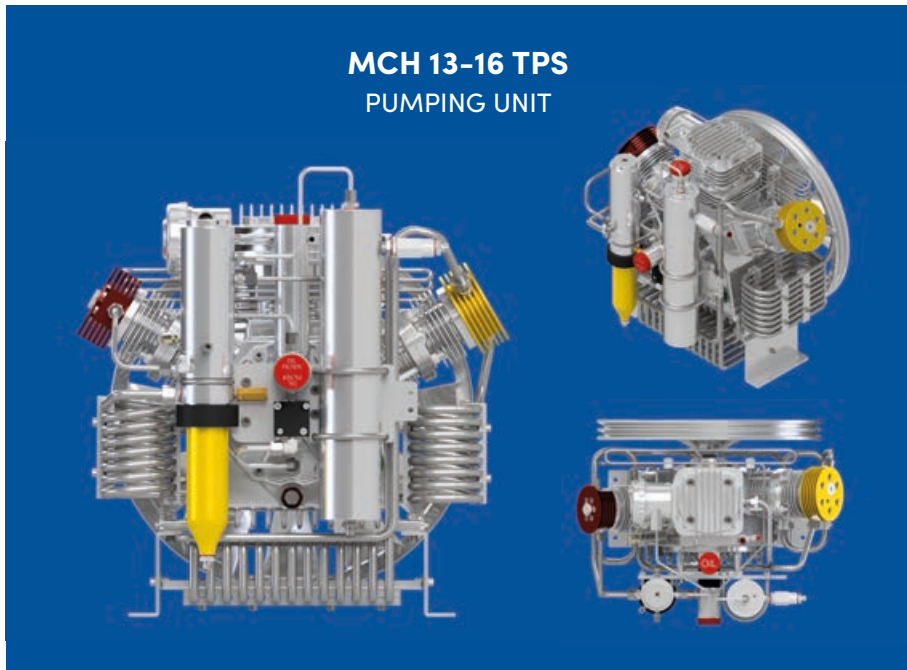


The SUPER SILENT TPS model is specially designed to minimize noise. It is designed with an enhanced cooling system, a sound isolation system and an efficient filtering system with two Hyperfilters. Powered by a three-phase electric motor, it is equipped with four different pumping units (MCH 13, MCH 16, MCH 21 and MCH 23), all in TPS (Tropical Plus Superdry) version, and available with a dedicated control panel. For a longer filter duration the Tornado Refrigerator is also available.

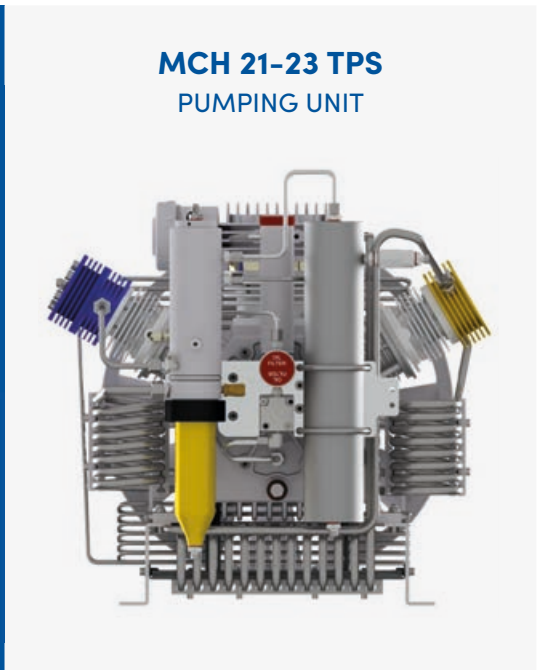


DRIVEN BY	CHARGING RATE	WORKING PRESSURE	FILLING TIME*
Three-phase electric motor	From 235 to 380 l/m	330 Bar	From 8 min. 30 sec. to 5 min. 15 sec.

MCH 13-16 TPS
PUMPING UNIT



MCH 21-23 TPS
PUMPING UNIT



TECHNICAL DATA

	MCH 13	MCH 16	MCH 21	MCH 23
DRIVEN BY	Three-phase 400 V - 50 Hz	Three-phase 400 V - 50 Hz	Three-phase 400 V - 50 Hz	Three-phase 400 V - 50 Hz
ENGINE POWER	4 kW	5.5 kW	7.5 kW	7.5 kW
	5.5 Hp	7.5 Hp	10 Hp	10 Hp
CHARGING RATE	235 l/min	315 l/min	345 l/min	380 l/min
	14.1 m ³ /h	18.9 m ³ /h	20.7 m ³ /h	22.8 m ³ /h
	8.3 CFM FAD	11.1 CFM FAD	12.2 CFM FAD	13.4 CFM FAD
FILLING TIME*	8.30 min.	6.20 min.	5.40 min.	5.15 min.
WORKING PRESSURE	330 bar	330 bar	330 bar	330 bar
	330 psig	4786 psig	4786 psig	4786 psig
NET WEIGHT Approx.	212 Kg	222 Kg	222 Kg	222 Kg
	467 lb	489 lb	489 lb	489 lb
NOISE	66 dB	68 dB	68 dB	68 dB

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

AVAILABLE ON REQUEST: MCH 13 / MCH 16 SINGLE-PHASE ELECTRIC MOTOR

STANDARD

DRV 232 bar - 3365 psig / DRV 300 bar - 4351 psig
2 valves DRV
(Pag. 55)

PHASE CONTROLLER
Automatic direction of rotation control

FILLING HOSES
2 filling hoses 1.2 m
3.9 ft length

AUTOMATIC CONDENSATE DRAIN

DOUBLE HYPERFILTER FILTRATION
PED certificated
(Pag. 57)

PRESSURE SWITCH
auto shut-off

PRESSURE GAUGES
interstage control

OIL LEVEL
switch/auto shut-off

THERMOSTAT
Cabin temperature
thermostat/auto shut-off

OIL PUMP

OPTIONAL

REMOTE FILLING PANELS
(Pag. 54)





FILLING HOSES
length: 1.5 - 2 - 3 - 4 - 5 - 8 - 10 m / 4.9 - 6.5 - 9.8 - 13.1 - 16.4 - 26.2 - 32.8 ft

PRESEC
visual filtration saturation indicator
(Pag. 49)

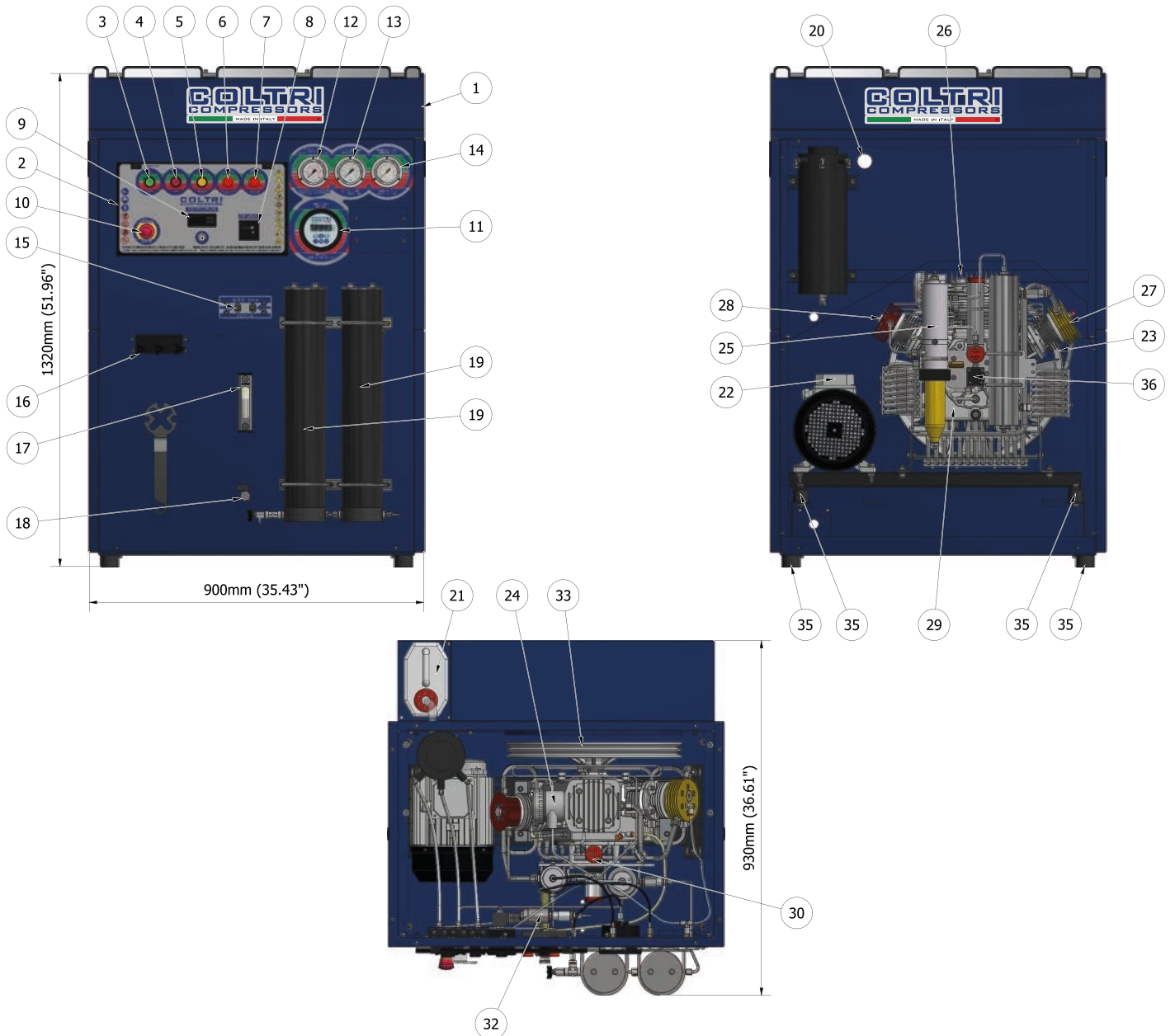
SAM Multigas
(Pag. 49)

REFRIGERATOR
(Pag. 48)

NUMBER OF REFILLED CYLINDERS PER HOUR

CYLINDERS	LITERS	MCH 13	MCH 16	MCH 21	MCH 23
	10	7	9,5	10,5	11,5
	11,1	6,5	9	9,5	10,5
	15	5	6,5	7	8
	10+10	3,5	5	5,5	6

DIMENSIONS AND MACHINE PARTS



- | | | |
|---|--|--------------------------------------|
| 1 Frame | 12 3 rd stage pressure gauge | 25 Final condensate separator |
| 2 Control panel | 13 2 nd stage pressure gauge | 26 1 st stage |
| 3 On pushbutton | 14 1 st stage pressure gauge | 27 2 nd stage |
| 4 Off pushbutton | 15 Refill hoses connection | 28 3 rd stage |
| 5 Condensate drain pushbutton | 16 Condensate drain valves | 29 Crankcase |
| 6 Oil level warning light | 17 Oil level gauge | 30 Oil filler plug |
| 7 Wrong rotation direction alert | 18 Oil drain valves | 31 Safety valve |
| 8 Hour counter | 19 Purifier filter | 32 Maintenance valve |
| 9 Cabinet interior / cooling air temperature | 20 Intake extension hole | 33 Cooling fan |
| 10 Emergency pushbutton | 21 Condensate collection tank | 34 Belt |
| 11 Automatic shutdown pressure switch | 22 Motor | 35 Anti-vibration device |
| | 23 Compressor | 36 Oil pump |
| | 24 Air filter | |

SILENT

LINE: HEAVY DUTY

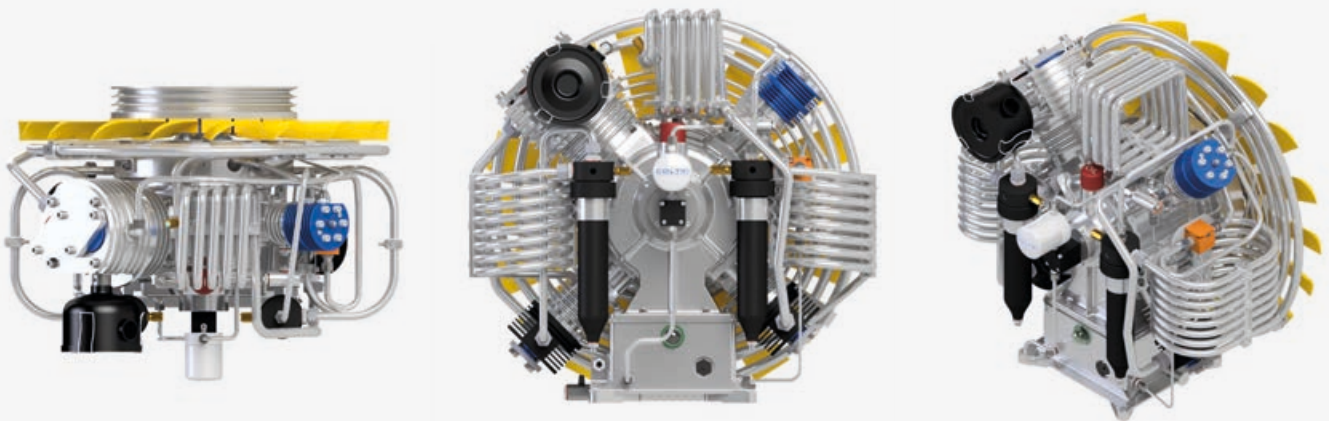


The SILENT model represents Coltri's excellence in soundproofing. It has been designed to meet the needs of those who use it intensively and requires large filling capacities. It is equipped with 4 front filling connections for high pressure hoses (from 232 to 420 bar), a control panel and electrical switchboard. The compressor is equipped with a three-phase electric motor and the most powerful pumping units (MCH 22, MCH 30, MCH 36 and MCH 45). The design, which has been specially developed to improve soundproofing, allows the compressor to drop below the 70 dB threshold in service. To extend filter's life, Tornado Refrigerator is optionally available. Various other options such as the electronic touch screen panel, Presec for filter saturation control and the remote charging panel are also available.



DRIVEN BY	CHARGING RATE	WORKING PRESSURE	FILLING TIME*
Three-phase electric motor	From 450 to 750 l/m	420 Bar	From 4 min. 30 sec. to 2 min. 40 sec.

MCH 30-36-45
PUMPING UNIT



TECHNICAL DATA

	MCH 22	MCH 30	MCH 36	MCH 45
DRIVEN BY	Three-phase 440 V - 60 Hz	Three-phase 400 V - 50 Hz	Three-phase 400 V - 50 Hz	Three-phase 400 V - 50 Hz
ENGINE POWER	7.5 kW	9.0 kW	11.0 kW	15.0 kW
	10 Hp	12,5 Hp	15 Hp	20 Hp
CHARGING RATE	450 l/min	550 l/min	650 l/min	750 l/min
	27.0 m ³ /h	33.0 m ³ /h	39.0 m ³ /h	45.0 m ³ /h
	15.9 CFM FAD	19.4 CFM FAD	22.9 CFM FAD	26.9 CFM FAD
FILLING TIME*	4.30 min.	4 min.	3 min.	2.40 min.
WORKING PRESSURE	420 bar	420 bar	420 bar	420 bar
	6091 psig	6091 psig	6091 psig	6091 psig
NET WEIGHT Approx.	445 Kg	445 Kg	455 Kg	455 Kg
	981 lb	981 lb	1003 lb	1003 lb
NOISE	70 dB	70 dB	70 dB	70 dB

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

STANDARD

DRV 232 bar - 3365 psig / DRV 300 bar - 4351 psig
2 valves DRV
(Pag. 55)

PHASE CONTROLLER
Automatic direction of rotation control

FILLING HOSES
2 filling hoses 1.2 m
3.9 ft length

AUTOMATIC CONDENSATE DRAIN

DOUBLE HYPERFILTER FILTRATION
PED certificated
(Pag. 57)

PRESSURE SWITCH
auto shut-off

PRESSURE GAUGES
interstage control

OIL LEVEL
switch/auto shut-off

THERMOSTAT
Cabin temperature
thermostat/auto shut-off

OIL PUMP

OPTIONAL

REMOTE FILLING PANELS
(Pag. 54)

TOUCH SCREEN
display
(Pag.54)





FILLING HOSES
length: 1.5 - 2 - 3 - 4 - 5 - 8 - 10
m / 4.9 - 6.5 - 9.8 - 13.1 - 16.4 -
26.2 - 32.8 ft

PRESEC
visual filtration saturation
indicator
(Pag. 49)

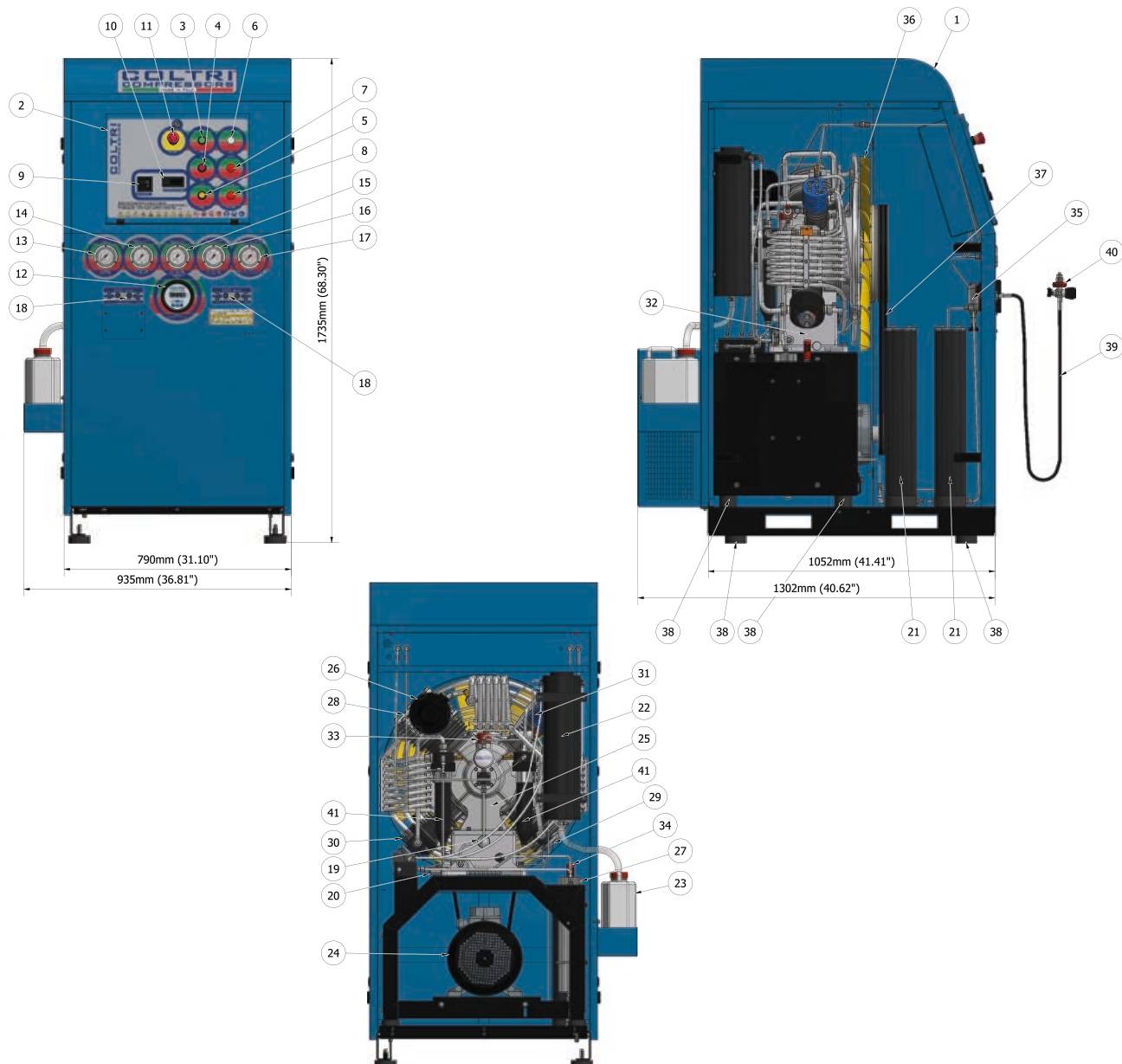
SAM Multigas
(Pag. 49)

REFRIGERATOR
(Pag. 48)

NUMBER OF REFILLED CYLINDERS PER HOUR

CYLINDERS	LITERS	MCH 22	MCH 30	MCH 36	MCH 45
	10	13,5	16,5	19,5	22,5
	11,1	12,5	15	18	20,5
	15	9	11	13	15
	10+10	7	8,5	10	11,5

DIMENSIONS AND MACHINE PARTS



- | | | |
|---|---|--------------------------------------|
| 1 Frame | 14 1 st stage pressure gauge | 27 Final condensate separator |
| 2 Control panel | 15 2 nd stage pressure gauge | 28 1 st stage |
| 3 On pushbutton | 16 3 rd stage pressure gauge | 29 2 nd stage |
| 4 Off pushbutton | 17 4 th stage pressure gauge/
working pressure | 30 3 rd stage |
| 5 Condensate drain pushbutton | 18 Refill hoses connection | 31 4 th stage |
| 6 Power indicator light | 19 Oil level gauge | 32 Crankcase |
| 7 Wrong rotation direction alert | 20 Oil drain valves | 33 Oil filler plug |
| 8 Oil level warning light | 21 Purifier filter | 34 Safety valve |
| 9 Hour counter | 22 Condensate collection
container | 35 Maintenance valve |
| 10 Cabinet interior / cooling air
temperature | 23 Condensate collection tank | 36 Cooling fan |
| 11 Emergency pushbutton | 24 Motor | 37 Belt |
| 12 Automatic shutdown pressure
switch | 25 Compressor | 38 Anti-vibration device |
| 13 Oil pressure gauge | 26 Air filter | 39 Refill hose |
| | | 40 Refill valves |
| | | 41 Condensate separator |

OPEN

LINE: HEAVY DUTY

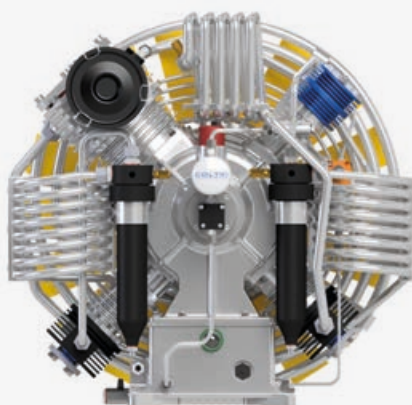


The OPEN model was created to satisfy the professional needs of those who use it intensively and requires large charging capacities, in hot, poorly ventilated or tropical environments. It is equipped with 4 front filling connections for high pressure hoses (from 232 to 420 bar), a control panel and electrical switchboard. Motor is a three-phase electrical unit coupled with the more powerful Coltri pumping units (MCH 22, MCH 30, MCH 36 and MCH 45 depending on the specific model). The pumping unit exposed in the rear part of the frame guarantees a better cooling cycle. For a longer filter life Tornado Refrigerator is available. On request, the electronic touchscreen panel, the Presec for filter saturation control and the remote refill panel are also available.



DRIVEN BY	CHARGING RATE	WORKING PRESSURE	FILLING TIME*
Three-phase electric motor	From 450 to 750 l/m	420 Bar	From 4 min. 30 sec. to 2 min. 40 sec.

MCH 30-36-45
PUMPING UNIT



TECHNICAL DATA

	MCH 22	MCH 30	MCH 36	MCH 45
DRIVEN BY	Three-phase 440 V - 60 Hz	Three-phase 400 V - 50 Hz	Three-phase 400 V - 50 Hz	Three-phase 400 V - 50 Hz
ENGINE POWER	7.5 kW 10 Hp	9.0 kW 12,5 Hp	11.0 kW 15 Hp	15.0 kW 20 Hp
CHARGING RATE	450 l/min 27.0 m³/h 15.9 CFM FAD	550 l/min 33.0 m³/h 19.4 CFM FAD	650 l/min 39.0 m³/h 22.9 CFM FAD	750 l/min 45.0 m³/h 26.9 CFM FAD
FILLING TIME*	4.30 min.	4 min.	3 min.	2.40 min.
WORKING PRESSURE	420 bar 6091 psig	420 bar 6091 psig	420 bar 6091 psig	420 bar 6091 psig
NET WEIGHT Approx.	445 Kg 981 lb	445 Kg 981 lb	445 Kg 981 lb	445 Kg 981 lb
NOISE	70 dB	70 dB	70 dB	70 dB

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

STANDARD

DRV 232 bar - 3365 psig / DRV 300 bar - 4351 psig
2 valves DRV
(Pag. 55)

PHASE CONTROLLER
Automatic direction of rotation control

FILLING HOSES
2 filling hoses 1.2 m
3.9 ft length

AUTOMATIC CONDENSATE DRAIN

DOUBLE HYPERFILTER FILTRATION
PED certified
(Pag. 57)

PRESSURE SWITCH
auto shut-off

PRESSURE GAUGES
interstage control

OIL LEVEL
switch/auto shut-off

THERMOSTAT
Cabin temperature
thermostat/auto shut-off

OIL PUMP

OPTIONAL

REMOTE FILLING PANELS
(Pag. 54)

TOUCH SCREEN display
(Pag.54)





FILLING HOSES
length: 1.5 - 2 - 3 - 4 - 5 - 8 - 10 m / 4.9 - 6.5 - 9.8 - 13.1 - 16.4 - 26.2 - 32.8 ft

PRESEC
visual filtration saturation indicator
(Pag. 49)

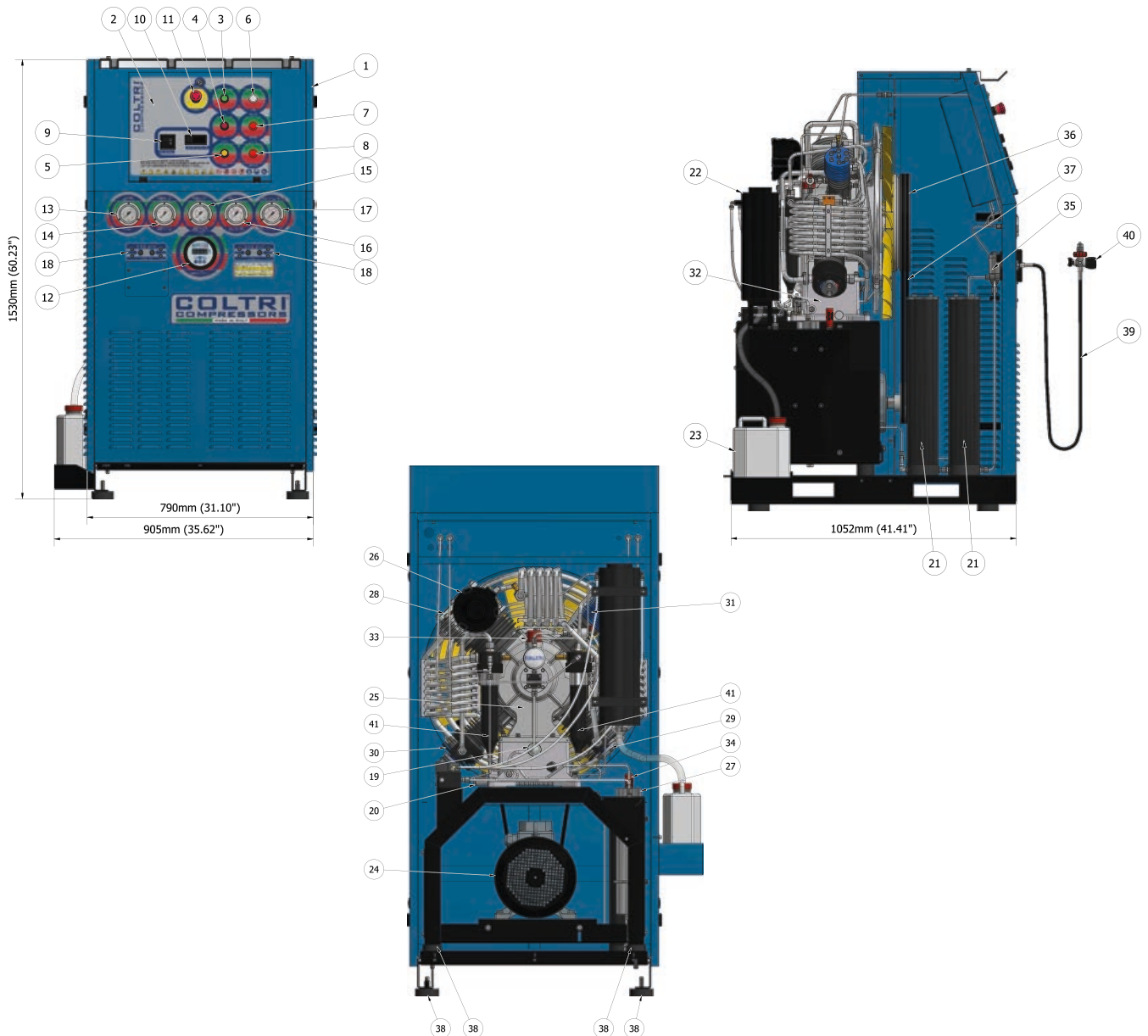
SAM Multigas
(Pag. 49)

REFRIGERATOR
(Pag. 48)

NUMBER OF REFILLED CYLINDERS PER HOUR

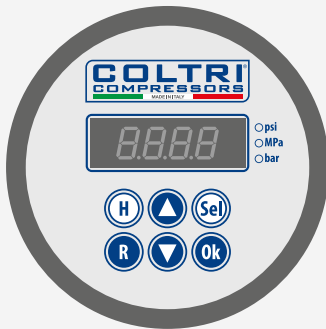
CYLINDERS	LITERS	MCH 22	MCH 30	MCH 36	MCH 45
	10	13,5	16,5	19,5	22,5
	11,1	12,5	15	18	20,5
	15	9	11	13	15
	10+10	7	8,5	10	11,5

DIMENSIONS AND MACHINE PARTS



- | | | |
|--|---|--------------------------------------|
| 1 Frame | 14 1 st stage pressure gauge | 27 Final condensate separator |
| 2 Control panel | 15 2 nd stage pressure gauge | 28 1 st stage |
| 3 On pushbutton | 16 3 rd stage pressure gauge | 29 2 nd stage |
| 4 Off pushbutton | 17 4 th stage pressure gauge / working pressure | 30 3 rd stage |
| 5 Condensate drain pushbutton | 18 Refill hoses connection | 31 4 th stage |
| 6 Power indicator light | 19 Oil level gauge | 32 Crankcase |
| 7 Wrong rotation direction alert | 20 Oil drain valves | 33 Oil filler plug |
| 8 Oil level warning light | 21 Purifier filter | 34 Safety valve |
| 9 Hour counter | 22 Condensate collection container | 35 Maintenance valve |
| 10 Cabinet interior / cooling air temperature | 23 Condensate collection tank | 36 Cooling fan |
| 11 Emergency pushbutton | 24 Motor | 37 Belt |
| 12 Automatic shutdown pressure switch | 25 Compressor | 38 Anti-vibration device |
| 13 Oil pressure gauge | 26 Air filter | 39 Refill hose |
| | | 40 Refill valves |
| | | 41 Condensate separator |

ELETRONIC PRESSURE GAUGE WITH RELAY



The instrument displays the pressure expressed in bar, psi or mpa. Through the programming buttons it is possible to set the intervention pressure of the relay contact (SPDT) and of hysteresis. The settings are password protected at 3 levels: producer, customer and end user. The instrument also has the function of operating hours counter and duty cycles.

Equipped on PRIME and HEAVY DUTY lines,
Available as an optional on EFFICIENT line (SMART excluded)

CODE

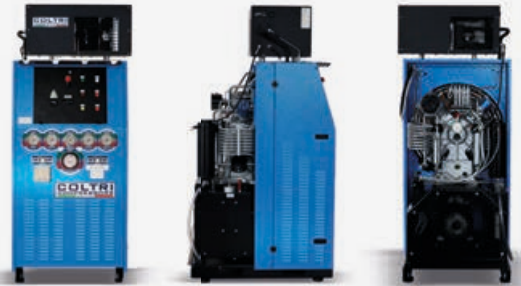
SC00927

TORNADO

REFRIGERATOR FOR HIGH PRESSURE COMPRESSED AIR



TORNADO INSTALLED ON OPEN



FILTERS LAST UP TO FIVE TIME LONGER

- IMPROVED AIR QUALITY
- LESS CORROSION OF MECHANICAL PARTS
- CYLINDER REFILL WITH A CONSTANT HUMIDITY PERCENTAGE

Tornado Refrigerator is an attachment for our charging stations dedicated to professional use that operates between the separators and the filtering system.

How does Tornado work?

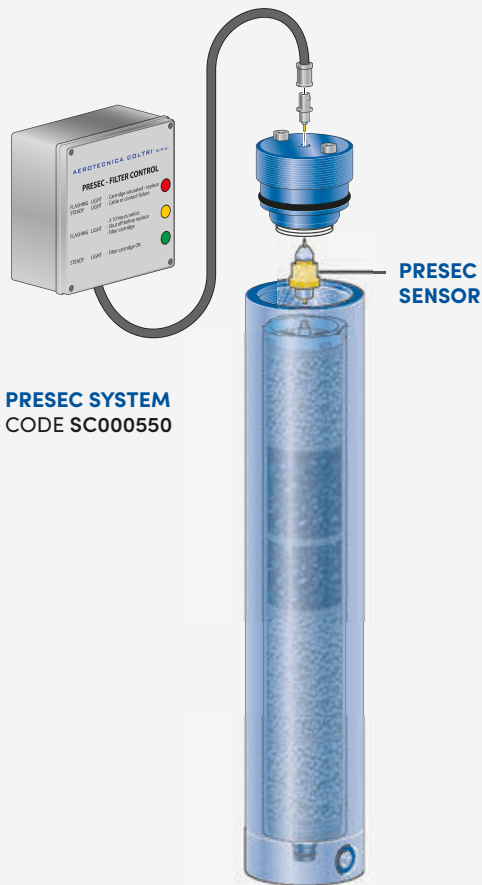
Hot and humid ingoing air passes through the vaporizer of this machine and it cools down. This allows the moisture to condense. Condensate is then easily removed from the separator, ensuring a general improvement in the operation of the filling station over time and the durability of its filters.

CODE

SC0001302

PRESEC FILTERS CONTROL SYSTEM ON DEMAND (OPTIONAL)

The presec system is connected with a probe with the first filtering cartridge and detects the saturation level. It then 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 PRIME and HEAVY DUTY line:

ERGO TPS / MARK 3 / SUPER SILENT TPS / SILENT / OPEN

C - MONITOR



Monitor offers a monitoring system for the final filter, thanks to a technical interface menu that check oil change intervals and maintenance times.

CODE

SC001200

MULTIGAS ANALYSIS SYSTEM



MULTIGAS ANALYSIS SYSTEM this system allows the monitoring of compressed air quality. Based on the model on which it is applied, it measures levels of oxygen, carbon dioxide, carbon monoxide, humidity, gas temperature and oil vapors in real time.

CODE

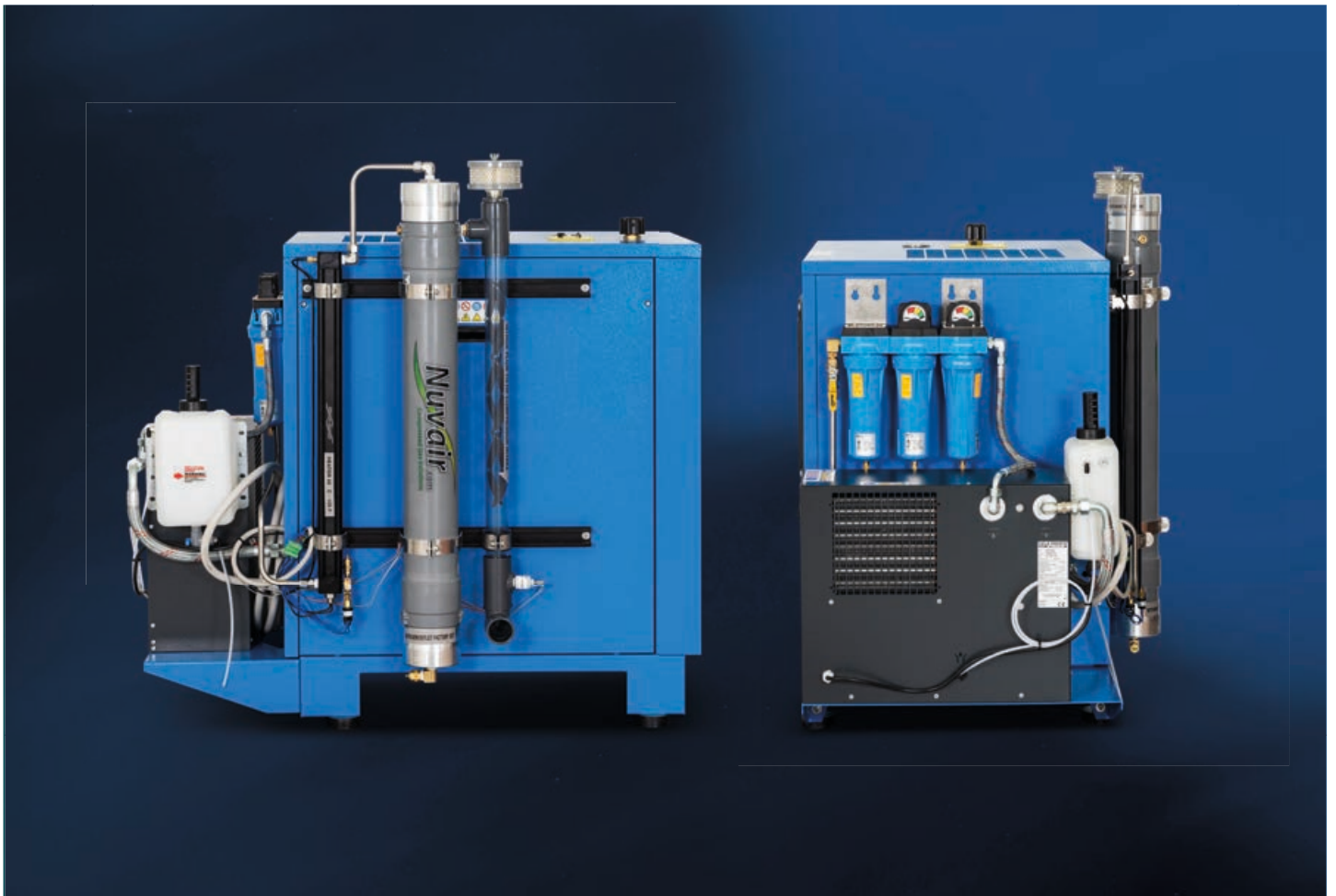
SC000727/C
SC000727/D
SC000727/A
SC000727/B

LP 300 ROTARY

LINE: NITROX



The LP300 ROTARY model consists of an industrial screw-type compressor that delivers air at a pressure of 12 bar to a membrane that separates nitrogen and oxygen up to a maximum percentage of 40% O₂. The enriched air can be compressed at a pressure of 232 bar in combination with a high pressure compressor. The percentage of oxygen obtained at the output can be regulated from 22.4% to 40% thanks to a valve accessible directly on top of the compressor. The oxygen analyzer allows to verify the correct percentage regulated through the appropriate valve.



TECHNICAL DATA

	LP 300	LP 600
DRIVEN BY	Three-phase 400 V - 50 Hz	Three-phase 400 V - 50 Hz
ENGINE POWER	7.5 kW 10 Hp	15 kW 20 Hp
WORKING PRESSURE	8 bar 116 psig	2200 bar 132 psig
NET WEIGHT Approx.	256 Kg 564 lb	390 Kg 860 lb
NOISE	68 dB	70 dB
% O₂	32%	32%
L/MIN	1070 l/min	2200 l/min
CONNECTABLE COMPRESSORS	N° 2 MCH 16	N° 2 MCH 16

STANDARD

ELECTRIC SWITCHBOARD
with hour counter and alarm

THERMOSTAT
Cabin temperature
thermostat/auto shut-off

AUTOSTOP

AUTOMATIC CONDENSATE DRAIN

2 ANALYZER IN LINE
1 on LP compressor and
1 on HP compressor

LP 600 ROTARY

LINE: NITROX



The top of the Nitrox line is the LP600 ROTARY, made up by an industrial screw compressor that delivers air at 8 bar to a membrane that separates nitrogen and oxygen at atmospheric pressure until Nitrox 40% O₂ is obtained, going on to be compressed at 232 bar in combination with a high pressure compressor. The percentage of oxygen obtained at the outlet can be regulated from 22.4% to 40% thanks to a valve accessible directly on top of the compressor. Exclusive to the Heavy Duty line.



TECHNICAL DATA

	LP 300	LP 600
DRIVEN BY	Three-phase 400 V - 50 Hz	Three-phase 400 V - 50 Hz
ENGINE POWER	7.5 kW 10 Hp	15 kW 20 Hp
WORKING PRESSURE	8 bar 116 psig	2200 bar 132 psig
NET WEIGHT Approx.	256 Kg 564 lb	390 Kg 860 lb
NOISE	68 dB	70 dB
% O₂	32%	32%
L/MIN	1070 l/min	2200 l/min
CONNECTABLE COMPRESSORS	N° 2 MCH 16	N° 2 MCH 16

STANDARD

ELECTRIC SWITCHBOARD
with hour counter and alarm

THERMOSTAT
Cabin temperature
thermostat/auto shut-off

AUTOSTOP

AUTOMATIC CONDENSATE DRAIN

2 ANALYZER IN LINE
1 on LP compressor and
1 on HP compressor

LEVER FILLING PANELS

SINGLE PRESSURE

CODE **SC000327**

- 4 LEVER VALVES INT/ DIN 232/DIN 300
- 1 GAUGE
- 4 HP HOSES 1.20 m - 3.9 ft
- 1 HP HOSE 3 m - 9.8 ft



DOUBLE PRESSURE

CODE **SC000331**

- 2 LEVER VALVES INT/DIN 232 bar
- 2 LEVER VALVES DIN 300 bar
- 2 GAUGES
- 1 PRESSURE REGULATOR
- 4 HP HOSES 1.20 m - 3.9 ft
- 1 HP HOSE 3 m - 9.8 ft



FILLING PANELS

SINGLE PRESSURE

CODE **SC000325**

- 4 DRV INT/DIN 232/DIN 300
- 1 GAUGE
- 4 HP HOSES 1.20 m - 3.9 ft
- 1 HP HOSE 3 m - 9.8 ft



DOUBLE PRESSURE

CODE **SC000329**

- 2 DRVINT/DIN 232
- 2 DRV 300
- 2 GAUGES
- 1 PRESSURE REGULATOR
- 4 HP HOSES 1.20 m - 3.9 ft
- 1 HP HOSE 3 m - 9.8 ft



FILLING CONNECTIONS

STAINLESS STEEL FIT FOR LEVER VALVE ONLY WITH SAFETY PIN



CODE **SC000936**
DIN 200 bar
STAINLESS STEEL



CODE **SC000937**
DIN 300 bar
STAINLESS STEEL



CODE **SC000935**
INT
STAINLESS STEEL

FILLING HOSES



CODE **SC000461-5000-AIR**

LENGHT: • 1.5 m • 4.9 ft
 • 2.0 m • 6.5 ft
 • 3.0 m • 9.8 ft
 • 4.0 m • 13.1 ft
 • 5.0 m • 16.4 ft
 • 8.0 m • 26.2 ft
 • 10.0 m • 32.8 ft

FILLING CONNECTIONS

STANDARD SCOPE OF SUPPLY



CODE **DRV232**
 DRV 232 bar



CODE **DRV300**
 DRV 300 bar



CODE **RE100350**
 DIN/INT adapter



CODE **DRVINT**
 DRV/INT

OPTIONAL



CODE **DRV232/MANOM**
 DRV 232 bar with gauge



CODE **DRV300/MANOM**
 DRV 300 bar with gauge

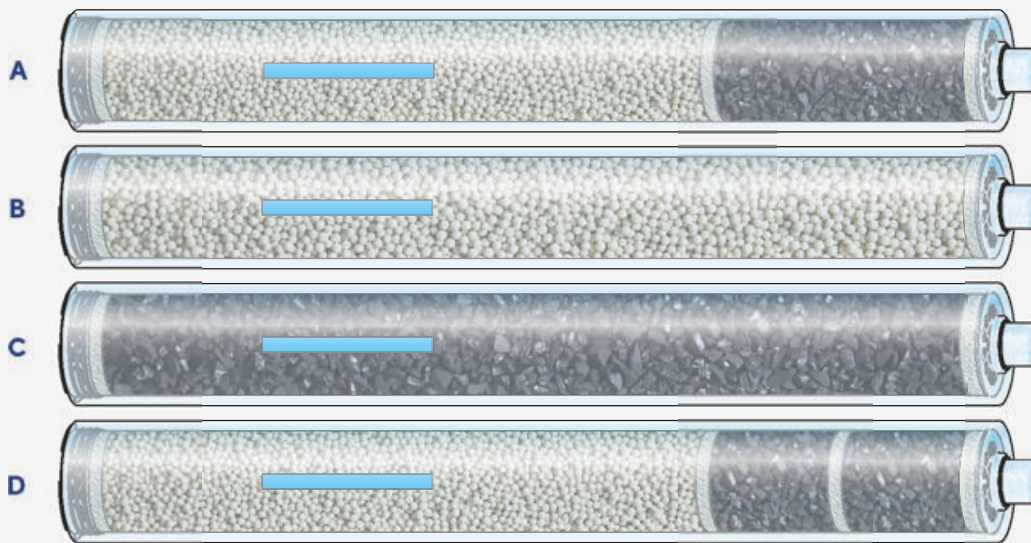


CODE **VA800188**
 Service Kit for DRV /
 DRV DIN 230 bar / DRV DIN 300 bar

AIR FILTER CARTRIDGES

MAXIFILTER

<p>A CODE SC000440/PP WITH MOLECULAR SIEVE AND ACTIVATED CARBON</p>	<p>B CODE SC000440/PP/SM WITH MOLECULAR SIEVE</p>	<p>C CODE SC000440/PP/CARB WITH ACTIVATED CARBON</p>	<p>D CODE SC000440/PP/ COCATALYST WITH MOLECULAR SIEVE, ACTIVATED CARBON AND CO-CATALYST</p>
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CAPS & DISCS KIT

FOR MAXIFILTER AIR FILTER CARTRIDGE

CODE

13-05-0601/R
6 pieces kit



FELTS

FOR MAXIFILTER

CODE

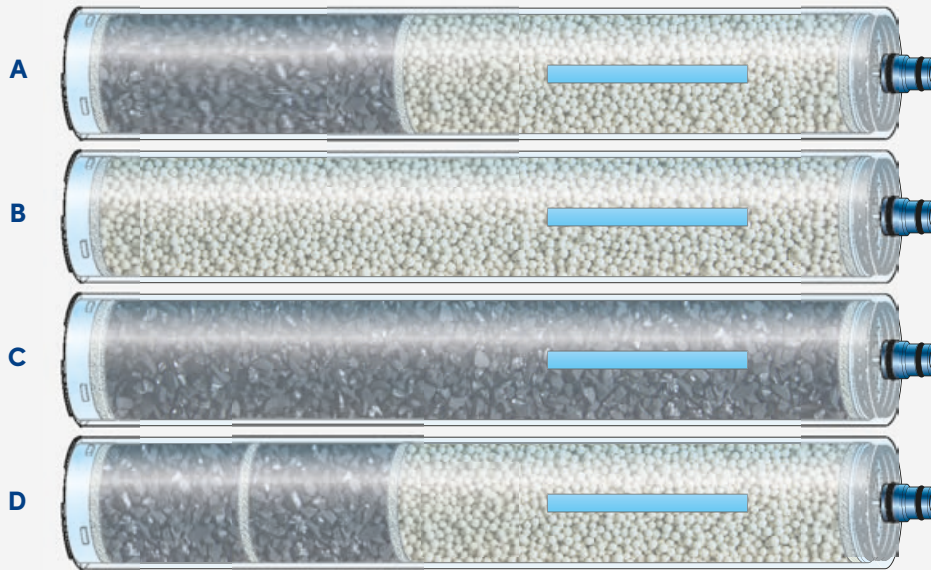
13-00-0800
FOR MAXIFILTER 6 pieces kit



AIR FILTER CARTRIDGES

HYPERFILTER

A	CODE 36-07-034/PP/B-AC WITH MOLECULAR SIEVE AND ACTIVATED CARBON	B	CODE 36-07-034/PP/A-MS WITH MOLECULAR SIEVE	C	CODE 36-07-034/PP/CARB WITH ACTIVATED CARBON	D	CODE 36-07-034/PP/B-AC/MOL WITH MOLECULAR SIEVE, ACTIVATED CARBON AND CO-CATALYST
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CAPS & DISCS KIT

FOR HYPERFILTER AIR FILTER CARTRIDGE

CODE

36-00-0805
6 pieces kit



FELTS

FOR HYPERFILTER

CODE

36-00-0800
FOR HYPERFILTER 8 pieces kit



ACTIVATED CARBON

CODE	SC000350 1 litre
CODE	SC000764 5 litres



MOLECULAR SIEVE

CODE	SC000380 1 litre
CODE	SC000763 5 litres



CO CATALYST

CODE	SC000355 1 litre
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FILTERS

INTAKE AIR FILTERS



CODE

36-05-0504
For MCH 22/30/36/45



CODE

SC000370
For MCH 11/13/16/18/21/23



CODE

HC010301
For MCH 8

CARTUCCE FILTRO OLIO



CODE

36-06-006
For MCH 22/30/36 (until 2018)
and TROPICAL PLUS SUPERDRY



SC000688
For MCH 22/30/36/45
(from 2019)

PRESSURE REDUCER FROM DIN 300 TO DIN 232

CODE

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



GREASE

CODE

GRASSO/AEROGREASE/T
100 gr



SYNTHETIC COLTRI OIL ST 755

CODE	SC000871 1 litre	SC000872 5 litres
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- Fully synthetic oil with high viscosity index
- Excellent performance at high and low temperature



MOTOR OIL FOR PETROL AND DIESEL ENGINES

CODE	SC000431 600 ml
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COLTRI OIL LP 46

FOR LP 250 / 300 / 560 / 600 / 713

CODE	SC000442 ISO VG GRADE 46
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FILTERS

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



SC000603
1,0 micron particles
for LP 280 / 300



SC000602
0,1 micron particles
for LP 280 / 300



SC000601
Activated carbon
for LP 280 / 300



SC000614
1,0 micron particles
for LP 560 / 713



SC000613
0,1 micron particles
for LP 560 / 713



SC000612
0,003 PPM oil vapor
for LP 560 / 713

INTAKE FILTERS FOR ROTARY SYSTEM



SC000710
SINCE 01-2012
for LP 280 NITROX



SC000638
For LP 280 NITROX



SC000692
For LP 300 NITROX



SC000635
For LP 560 / 713 NITROX

OIL FILTERS



SC000634
For LP 280 NITROX



SC000693
For LP 300 NITROX



SC000644
For LP 560 / 713 NITROX

OIL FILTERS



SC000666
For LP 280 / 300 NITROX



SC000681
For LP 560 / 713 NITROX

MIXING TUBE AIR FILTERS



SC000578
For LP 280 / 300 NITROX



SC0000694
For LP 560 / 600 / 713 NITROX

REPLACEMENT SENSOR

WITH REMOTE SENSOR FOR NITROX

CODE	SC000322/SR For LP 280 / 300 / 560 / 600 / 713 NITROX
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AIR AND NITROGEN STORAGE STATION 2X50L

CODE	SC000625 2 x 50 l @ 360 bar
DIMENSION (W x H x D)	76 x 207 x 44 cm 29.92" x 81.50" x 17.32"
NET WEIGHT APPROX.	230 Kg - 506 lb



FILL CONTAINMENT CABINET

2 CYLINDERS



For safe refilling we offer Coltri's super strong containment cabinets. Taps, integrated hoses and pressure gauges allow you to use our refill stations with greater operational safety, simply by inserting the cylinders into the housing.



TECHNICAL DATA

FILL CONTAINMENT CABINET

FILLING CONNECTION

DIN 300 bar

TANK STORAGE

65 x 80 x 116 x 70 cm

DIMENSION (W x H (front) x h (rear) x D)

25.59" x 31.49" x 45.66" x 27.55"

WEIGHT

500 kg - 1102.3 lb

STANDARD

GAUGES

TANK STORAGE

65 x 80 x 116 x 70 cm
25.59" x 31.49" x 45.66" x 27.55"

FILLING HOSES

for din 300 bar - 4351 psig

OPTIONAL

DRV 232 bar / DRV 300 bar
(Pag. 51)

INT
(Pag. 51)

DIN/INT Adaptor
(Pag. 51)

FILL CONTAINMENT CABINET

MULTIPLE FILL WITH
SWING DOOR



The multiple refill version with hinged door, in addition to the standard equipment consisting of taps, hoses and pressure gauge to carry out all refilling operations in safety, is also equipped with charging valves and pressure management.



TECHNICAL DATA

FILL CONTAINMENT CABINET

FILLING CONNECTION

DIN 300 bar

TANK STORAGE

65 x 80 x 116 x 70 cm

DIMENSION (W x H (front) x h (rear) x D)

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500 kg - 1102.3 lb

STANDARD

GAUGES

TANK STORAGE

65 x 80 x 116 x 70 cm
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FILLING HOSES

for din 300 bar - 4351 psig

OPTIONAL

DRV 232 bar / DRV 300 bar
(Pag. 51)

INT
(Pag. 51)

DIN/INT Adaptor
(Pag. 51)

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