

MARK 3

LINE: PRIME



DESCRIPTION

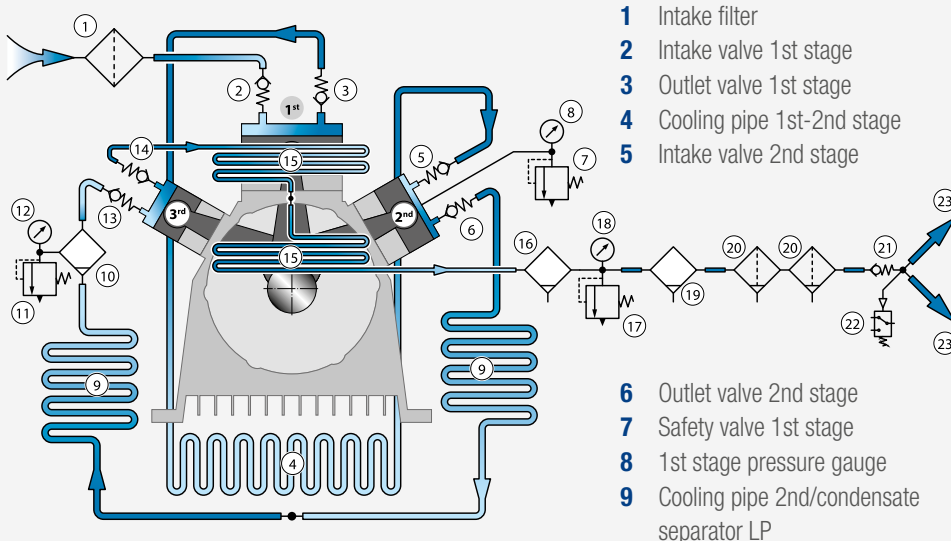
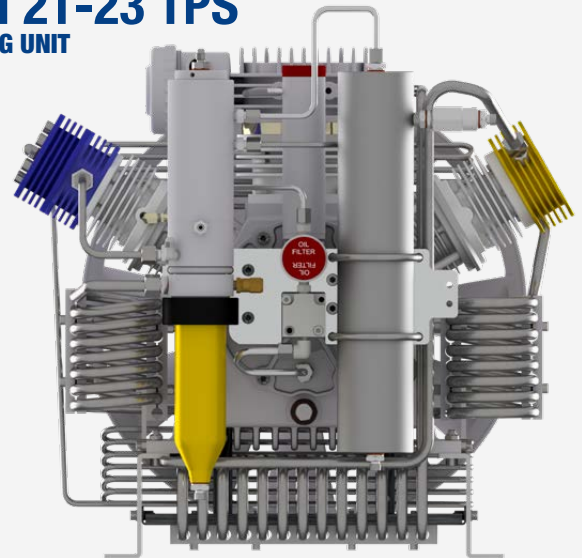
The MARK 3 series is a series of breathing air compressors without a single compromise, for intensive use in warm, poorly ventilated or tropical environments. Designed with a larger cooling system as well as a filter system with two Hyperfilters, this series is powered by a three-phase electric motor, equipped with four different pumping units (MCH 13, MCH 16, MCH 21 and MCH 23), all with TPS (Tropical Plus Superdry) and available with an operation monitoring system and electrical display to automatically shutdown the compressor.



MCH 13-16 TPS PUMPING UNIT



MCH 21-23 TPS PUMPING UNIT



- | | |
|--|--|
| 1 Intake filter | 10 Condensate separator LP |
| 2 Intake valve 1st stage | 11 Safety valve 2nd stage |
| 3 Outlet valve 1st stage | 12 2nd stage pressure gauge |
| 4 Cooling pipe 1st-2nd stage | 13 Intake valve 3rd stage |
| 5 Intake valve 2nd stage | 14 Outlet valve 3rd stage |
| | 15 Aftercooler |
| | 16 Condensate separator HP |
| | 17 Safety valve |
| | 18 Pressure gauge |
| | 19 Condensate separator HP High efficiency |
| 6 Outlet valve 2nd stage | 20 Purifier filter |
| 7 Safety valve 1st stage | 21 Pressure maintenance valve |
| 8 1st stage pressure gauge | 22 Pressure switch |
| 9 Cooling pipe 2nd/condensate separator LP | 23 Flex hoses |

TECHNICAL DATA

	MCH 13	MCH 16	MCH 21	MCH 23
DRIVEN BY	THREE-PHASE ELECTRIC MOTOR	THREE-PHASE ELECTRIC MOTOR	THREE-PHASE ELECTRIC MOTOR	THREE-PHASE ELECTRIC MOTOR
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 min. 30 sec.	6 min. 20 sec.	5 min. 40 sec.	5 min. 10 sec.
WORKING PRESSURE	232 - 300 - 330 bar 3365 - 4351 - 4786 psig	232 - 300 - 330 bar 3365 - 4351 - 4786 psig	232 - 300 - 330 bar 3365 - 4351 - 4786 psig	232 - 300 - 330 bar 3365 - 4351 - 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 $\pm 5\%$)

Available on request: MCH 13 SINGLE-PHASE ELECTRIC MOTOR / MCH 16 SINGLE-PHASE ELECTRIC MOTOR.

STANDARD



DRV 232 bar - 3365 psig
DRV 300 bar - 4351 psig
2 valves DRV (Pag. 59)



Filling hoses
2 filling hoses 1.2 m - 3.9 ft length



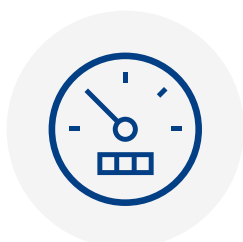
Automatic condensate drain



Pressure gauges
interstage control



Double hyperfilter filtration
PED certificated
(Pag. 61)



Pressure switch
auto shut off



Thermostat
Cabin temperature
thermostat/auto shut off



Phase controller
that prohibits reverse rotation



Oil level
switch/auto shut off

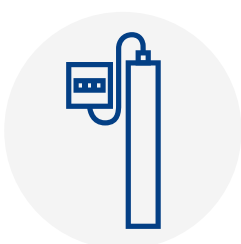


Oil pump

OPTIONAL



SAM Multigas



Presec
visual filtration saturation indicator
(Pag. 49)

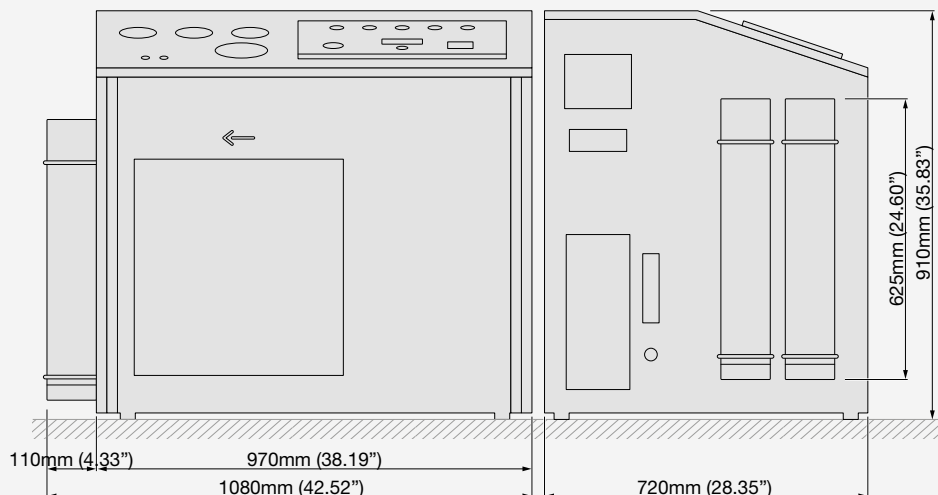


Remote filling panels
(Pag. 58)

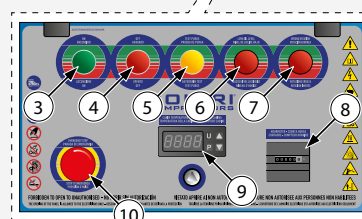
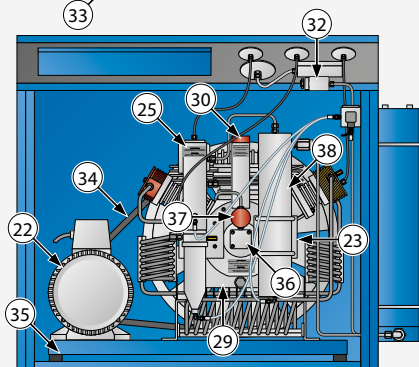
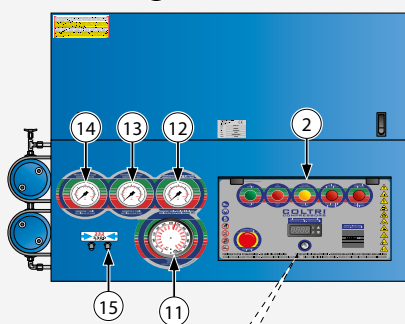
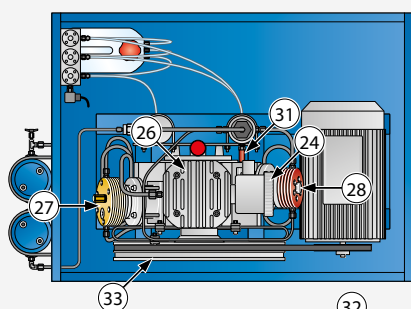
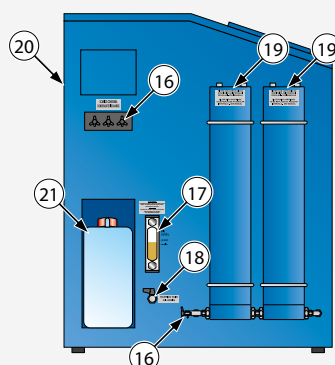
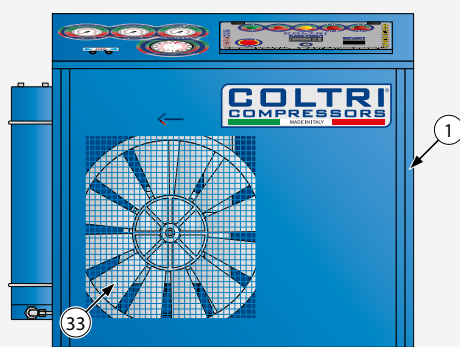


Filling hoses
length: 1.5 - 2 - 3 - 4 - 5 - 8 - 10 m
4.9 - 6.5 - 9.8 - 13.1 - 16.4 - 26.2 - 32.8 ft

DIMENSIONS



MACHINE PARTS



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