

שירות מדחסים

לאויר רפואי Medical

לאויר למזון Food ותעשייה

טלפון: 09-7409913 פקס: 09-7469848

finish@pat-tech.co.il www.pat-tech.co.il

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 automatisms 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	3 kW 4 Hp	4 kW 5.5 Hp	4 kW 5.5 Hp	5.5 kW 7.5 Hp
CHARGING RATE	125 l/min 7.5 m³/h 4.4 CFM FAD	195 l/min 11.7 m³/h 6.9 CFM FAD	235 l/min 14.1 m³/h 8.3 CFM FAD	315 l/min 18.9 m³/h 11.1 CFM 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.	93 Kg 205 lb	100 Kg 220.5 lb	95 Kg 209.5 lb	105 Kg 231.5 lb
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)

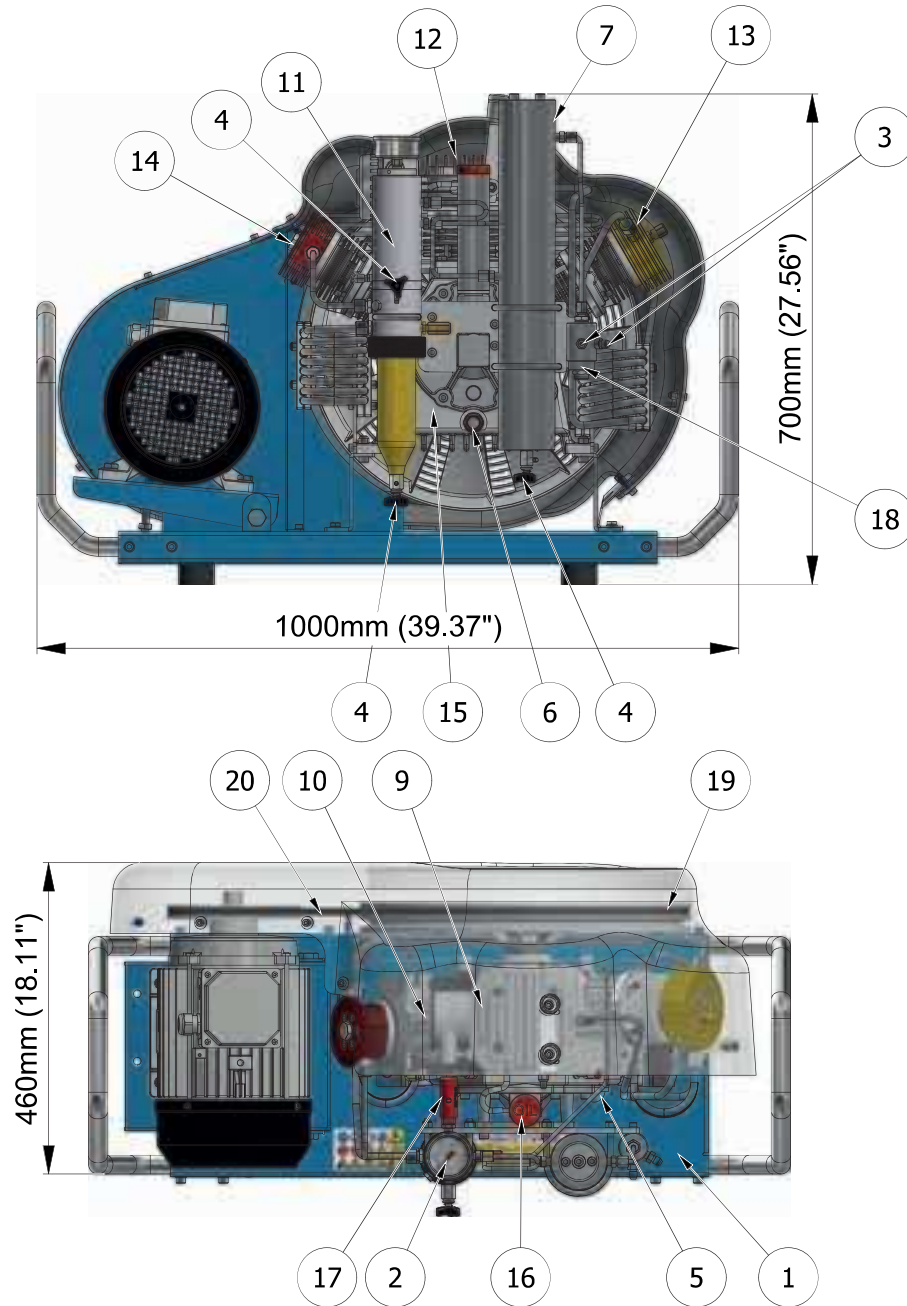
**DRV 232 bar- 3365 psig / DRV
300 bar - 4351 psig**
with pressure gauge
(Pag. 55)

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 |