

Medical Air Compressor

- Compact and quiet
- High peak flow
- Advanced filter system
- 3-phase drying system
- Integratable in Evita Mobil System
- Gas supply backup option
- Low maintenance
- Cost-effective



The new medical air compressor is designed for bed-side use with intensive care ventilators. It can be used as an independent source or as a backup supply in the event of a failure of your main air supply source. The silent operation optimizes this compressor for the patient's as well as the nurse's environment.

The compressor can be integrated in the Evita Mobil System or used as a stand-alone version.

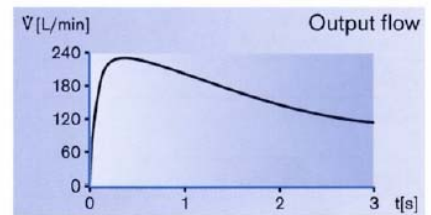


Fig. 1

Enough air to breathe

The medical air compressor is able to adapt even to the very high patient demands of spontaneously breathing patients with its peak flow of more than 200 L/min (see figure 1).



Reliable air supply over long periods of time

Due to its easy serviceability and its long-lasting components the medical air compressor is cost-effective and reliable for your patients. Longevity is guaranteed by the internal cooling system and integrated temperature monitoring.

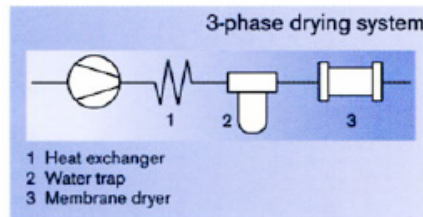


Fig. 2

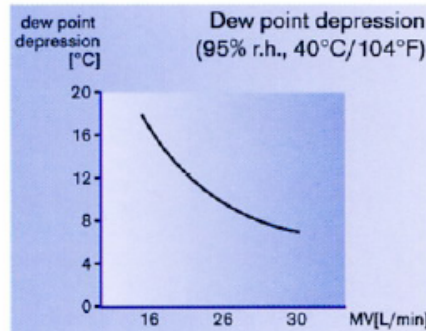


Fig. 3

Superior air quality for your patient

The air quality exceeds the expectations for purity and hygienic aspects. Integrated filters (< 1 micron) and the advanced 3-phase drying system provide optimum conditioning of the air (see figure 2).

The collected water is automatically vapourized by the 3-phase drying system itself.

The dry and clean air protects the precise gas delivering systems of modern ventilators. Furthermore bacterial growth is impeded. Even in areas with high ambient humidity in the air impressive dew point depression is achieved (see figure 3).

Technical Data

Ambient Conditions (Operation)	
Temperature	10-40 °C / 50-104 °F
Relative humidity	30-95 %
Altitude above sea level	0-4000 m
Performance Characteristics	
Operating pressure	4 + 0.5 bar / 59 + 7.4 PSI
Continuous flow	> 200 L/min at 3 bar / 44 PSI
Peak flow	> 30 L/min for 0.6 s
Dew point depression under operating pressure	18 °C (16 L/min, rel. humidity 95 %, 40 °C/104 °F)
Air quality	filter < 1 micron
Sound pressure level	46-49 dBA
Outlet	Coupling with check-valve
Dimensions (W x H x D)	50 x 38 x 41 cm, 20 x 15 x 16 in
Weight	Approx. 45 kg / 100 Lb
Power supply	230 V/50 Hz several other with Option Trafo
Power Consumption	500 W
Monitoring	High temperature
Maintenance	
Internal filter	6000 h
Option Standby	
Inlet switchover (for use as backup supply)	NIST/DISS on: < 2.7 + 0.3 bar / 40 + 4.4 PSI off: > 4.0 + 0.5 bar / 59 + 7.4 PSI

Order List

Medical air compressor	84 13 890
Option Standby	84 13 939
Option Trafo (except 230 V/50 Hz)	84 13 936
Hoses (0.8 m, for Evita Mobil) (Medical air compressor to ventilator-inlet)	
NIST (black)	84 11 517
NIST (ISO 32)	84 11 538
DISS	84 11 544
Stand-alone carriage	84 11 520
Hoses (5m) (Medical air compressor to ventilator-inlet)	
NIST (black)	84 11 519
NIST (ISO 32)	84 11 541
DISS	84 11 545

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