



Life tex™



**We build Medical Devices
to your specification**



Life Air 100



Life Air 200

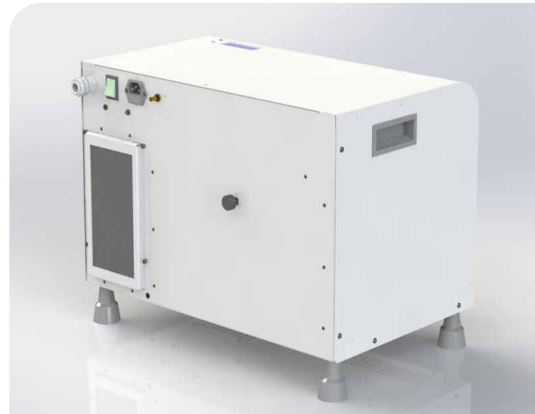
Products

The medical air compressors are used as source of air for medical ventilators and anesthesia machines. The compressors from Lifetex™ are portable, ideal for bedside use and available in two variants:

Life Air 100 series – Basic model with air cooled system



Life Air 200 series – Advanced model with peltier cooled system



As compressor being one of the important sources of power for such critical equipments, we understand how reliable it must be. We are focused to build a good medical air compressor which is silent for bedside use, vibration-free to give maximum comfort and delivers dry air that protects the pneumatic and electronic modules downstream.

Salient features

- ❖ Compact in size – can be customized to customer requirements.
- ❖ Clean air recirculation – Improved air quality and less maintenance.
- ❖ Rust-free design – GI body and stainless steel fasteners used to prevent corrosion.
- ❖ Weld-free design – Consistent accuracy in dimensions and less lead time for product delivery.
- ❖ Clinch fastening – Ease of service and maintenance.
- ❖ Fewer components – systematically placed for ease of assembly and service.
- ❖ Independent top Cover – Flexible to suit customers' aesthetic needs.

Specification of Medical Air Compressor*

Specification	Life Air 100 series	Life Air 200 series
General		
Intended use	Supply dry filtered air for respiratory ventilator or anesthesia machine	
Classification	Class I equipment according to IEC 60601-1	
Dimensions	W 42 cm, D 31 cm, H 32 cm	W 49 cm, D 31 cm, H 32 cm
Mounting	Bush mount (standard), castor wheel (optional)	
Weight	< 36 kg	< 40 kg
Noise level	≤ 53 dB(A) at distance of 1 m	
Service mode	—	Available
Air outlet port	Single shut off quick release coupling	
Over pressure relief	60 psi / 4.14 bar	
Electrical protection	Mains power fuse with ON/OFF switch	
Power supply		
Power supply	220 to 240 V AC, 50 Hz, single phase	
Supply range	198 to 264 V AC	
Power	< 550 W at nominal voltage	
Compressor capacity		
Outlet flow (continuous)	40 L/min (expanded to ambient air) at 50 psi / 3.44 bar	
Outlet flow (peak)	200 L/min (with pressure drop of 7 psi / 0.48 bar)	
Outlet pressure	43 to 50 psi / 2.96 to 3.44 bar / (at normal setting)	
Dew point suppression	—	> 5 °C / 9 °F below ambient temperature at 50 psi / 3.44 bar
Built-in air reservoir	1.25 L	
Particulate filtration	5 micron	
Alarms		
High temperature alarm	—	Available
Low / high pressure alarm	—	Available
Audible alarm	—	85 dB(A) max. at distance of 1 m
Monitoring		
Display	Pressure gauge & hour meter	2 line matrix display
Outlet pressure	0 to 87 psi / 0.0 to 6.0 bar	0 to 99 psi / 0.0 to 9.9 bar
Operating time	0 to 99999 Hours	
Ambient temperature	—	0 to 99 °C / 0 to 999 °F
Cooler temperature	—	0 to 99 °C / 0 to 999 °F
Internal temperature	—	0 to 99 °C / 0 to 999 °F
AC input	—	180 to 300 VAC
Cooler status	—	ON or OFF
Water drain status	—	ON or OFF
Power ON indicator	—	Green LED
Alarm indicator	—	Red LED
Accessories		
Power inlet cable	230 V / 50 Hz, 15 A, single phase, 3 mtrs	
Air hose	DISS female, black colour, 1.0 mtr (optional)	
Environmental conditions – Operations		
Ambient temperature	+10 to +40°C (50 to 104°F)	
Ambient relative humidity	15 to 95%	
Atmospheric pressure	660 to 1200 hPa (495 to 900 mm Hg)	
Environmental conditions – Transportation & storage		
Ambient temperature	-40 to +70°C (-40 to 158°F)	
Ambient relative humidity	10 to 95%	
Atmospheric pressure	500 to 1200 hPa (375 to 900 mm Hg)	

* In view of continuous improvement, specifications are subject to change without prior notice.

Support

We have two variants of medical air compressor:

A specific model which is customized to the customer requirements and supplied on OEM basis.

A standard model which a medical device reseller can configure with ventilator/ anesthesia machine.

We offer maintenance and service training to the OEMs and medical device resellers to handle field service. We stock all essential spares for the product and do complete overhaul at factory, if required.

We can also build and supply pneumatic/ electro-pneumatic modules on OEM basis to medical devices manufacturers, to their specifications.



“We build medical devices to your specification”

Lifetex India

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