

Atlas Copco

MED Series
Medical air units



QUALITY AIR
SOLUTIONS



Atlas Copco MED units for medical air applications

High quality air is of vital importance to many industries, but nowhere as literally as in the medical sector. The purity of breathing air for hospital patients has to be 100% guaranteed. However, the air drawn from our environment to produce breathing air, especially in cities or industrial areas, is rarely of a sufficient quality for medical purposes. To treat your air with the extra care required, Atlas Copco has designed the MED range of products that convert regular compressed air into impeccably clean air... ready for use as breathing air in operating theatres and high care units, or as surgical air to drive precision tools.

Performance data

Model name	X = 7.5 Bar		
	l/s	cfm	purge %
MED 6	6.2	13.1	18.0
MED 11	10.6	22.5	18.0
MED 15	15.0	31.8	18.0
MED 21	21.1	44.7	18.0
MED 28	28.2	59.8	18.0
MED 39	38.7	82.0	18.0
MED 53	52.8	111.9	18.0

Reference conditions: inlet temperature 35 °C/100 °F
inlet humidity 100 %

Operating limits: minimum ambient and inlet temperature 1 °C/32 °F
maximum ambient and inlet temperature 45 °C/113 °F
maximum inlet pressure 13 Bar(g)/190psi

Options: several sensors to monitor air quality and system status

Notes: Always check ambient air quality prior to use and compare with the maximum allowable concentrations indicated in the MED specification.
Pre-certification of the MED does not eliminate the necessity to certify the total system.
Contact Atlas Copco for advice.

MED range key qualities

- ▶ **Pharmacopoeia compliant**
The European Pharmacopoeia legislation accurately defines the required quality for breathing air in hospitals and ambulatory centers. Atlas Copco has adopted this quality level for the MED range and was certified by an external authority
- ▶ **Pending certification according to Medical Devices Directory**
Hospital equipment with an influence on patient health must be certified to the Medical Devices Directory (MDD93/42/CE) regulations. This requires the manufacturer to be listed with Health Authorities, a certification to ISO13485 and strict product follow-up in the field. Atlas Copco will be the first to obtain this certification, with completely in-house manufactured components
- ▶ **Robust design**
Tested on endurance in realistic and worst-case conditions
- ▶ **Suitable for use** in more polluted areas
- ▶ **Less frequent** maintenance because of its robust sizing
- ▶ **Pre-assembled and pre-certified**
No risk of installation errors, guaranteed to pass the required on-site certification
- ▶ **World-wide and extensive service support**



The MED range from Atlas Copco is currently undergoing certification according to MDD93/42/CE. Atlas Copco will only sell the MED units when the certification process is completed.