

aeris[™] Medical Air Compressor



“The most advanced
technology at
an affordable cost.”



imtmedical

aeris™
Medical grade air
guaranteed - quietly.



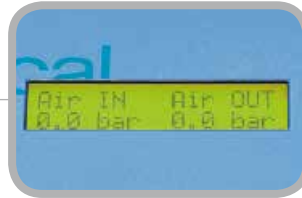
aeris™ Standard



Medical grade oil free micro filtered dry air according to **ISO 8573** with Active Carbon Filter



Selectable output pressure, diagnostic functions

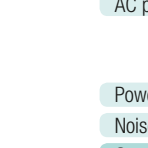
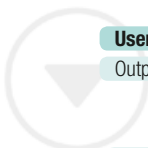


Low noise, low vibrations



Nowadays, medical devices must be highly reliable, as well as cost-effective. The aeris certified medical grade air compressor provides the perfect balance between high performance and a reasonable cost.

The aeris can supply certified medical grade compressed air to a wide variety of apparatus such as ventilators and anaesthesia devices. It operates quietly and its performances makes it perfectly suitable for use in any hospital ward. The aeris keeps functioning automatically in the event of a central compressed air system failure. A user adjustable output pressure, internal operation monitoring system and RS-232 interface make the aeris a compressor you can truly depend on.



	Standard	High Flow
Pneumatic Data		
Output flow (continuous)	45 L/min at 3 bar (43 psi)	55 L/min at 3 bar (43 psi)
Output flow (peak)	300 L/min	300 L/min
Internal tank size	2 L	2 L
Air quality	Medical grade according to ISO 8573	Medical grade according to ISO 8573
Oil and particulate filtration	0.01 µm (micron)	0.01 µm (micron)
Active carbon filtration	yes	yes
Dew point depression	> 3°C below room temperature at peak output pressure > 10°C below room temperature at peak output pressure with optional membrane dryer	> 3°C below room temperature at peak output pressure > 10°C below room temperature at peak output pressure with optional membrane dryer
User Configurable Functions		
Output pressure	adj. 1 to 3 bar (14 to 43 psi) adj. 1 to 4 bar (14 to 57 psi) with optional membrane dryer	adj. 1 to 3 bar (14 to 43 psi) adj. 1 to 4 bar (14 to 57 psi) with optional membrane dryer
Adjustable pressure threshold for automatic backup	1 to 8 bar (14 to 114 psi)	1 to 8 bar (14 to 114 psi)
Physical Data		
Width, depth, height of device	35 x 35 x 55 cm	35 x 35 x 55 cm
Weight of device	34 kg (74 lbs)	34 kg (74 lbs)
AC power	100 VAC (50/60Hz) 115 VAC (50/60Hz) 230 VAC (50/60Hz)	100 VAC (50/60Hz) 115 VAC (50/60Hz) 230 VAC (50/60Hz)
Power consumption	520 VA	520 VA
Noise	below 48 dBA at 1m	below 48 dBA at 1m
Compliance & Approvals	CE marking, EN60601-1 (safety), EN60601-1-2 (EMC), EN737, EN739	
Environmental Data		
Operating temperature	10 to 40°C (50 to 104°F)	10 to 40°C (50 to 104°F)
Humidity	below 85% relative humidity below 95% relative humidity with optional membrane dryer	below 85% relative humidity below 95% relative humidity with optional membrane dryer

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Special Functions	Standard	High Flow
Automatic stand-by mode	•	•
Automatic leak detection	•	•
Service mode	•	•
Filters	Standard	High Flow
Triple Filter System	•	•
Monitored Data	Standard	High Flow
Operational hours	•	•
Output pressure	•	•
Central pipeline pressure	•	•
Device temperature	•	•
Alarms	Standard	High Flow
Pressure high and low	•	•
Temperature high	•	•
Filter service required	•	•
Motor service required	•	•
Communication Interfaces	Standard	High Flow
RS-232	•	•
Gas Connectors	Standard	High Flow
Air outlet 3/4" – 16 UNF (DISS)	•	•
Air inlet 3/4" – 16 UNF (DISS)	•	•
Additional Features (Options)	Standard	High Flow
Membrane dryer: Dew point depression >10°C below room temperature at peak output pressure	•	•
Mini web interface (remote monitoring)	•	•
Mounting for humidifier	•	•
Mountings for ventilator	•	•
NIST DIN 13254 body adapter	•	•