

aeris™ Medical Air Compressor



“The most advanced
technology
at an affordable cost.”



imtmedical

max. 8bar

If only everything
could be as
reliable
and cost-effective
as the *aeris*TM.



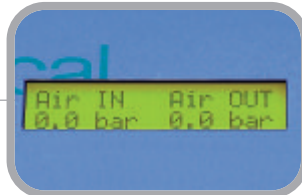
aeris **standard**



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, RS-232 and Ethernet interface make the aeris™ a compressor you can truly depend on.



	Basic	Standard	High Flow
Pneumatic Data			
Output flow (Continuous)	45 L/min at 3 bar (43 psi)	45 L/min at 3 bar (43 psi)	55 L/min at 3 bar (43 psi)
Output flow (Peak)	250 L/min	300 L/min	300 L/min
Internal tank size	0.2 L	2 L	2 L
Air quality	-	Medical grade according to ISO 8573	Medical grade according to ISO 8573
Oil and particulate filtration	5 µm (micron)	0.01 µm (micron)	0.01 µm (micron)
Active carbone filtration	no	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	> 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	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	not available	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	35 x 35 x 55 cm
Weight of device	31 kg (67 lbs)	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)	100 VAC (50/60Hz) 115 VAC (50/60Hz) 230 VAC (50/60Hz)
Noise	below 50 dBA at 1m	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)	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	below 85% relative humidity below 95% relative humidity with optional membrane dryer

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Special Functions	Basic	Standard	High Flow
Automatic stand-by mode	•	•	•
Automatic Leak detection	•	•	•
Service Mode	•	•	•

Monitored Data	Basic	Standard	High Flow
Operational hours	•	•	•
Output pressure	•	•	•
Central pipeline pressure		•	•
Device temperature	•	•	•

Alarms	Basic	Standard	High Flow
Pressure high and low	•	•	•
Temperature high	•	•	•
Filter Service required	•	•	•
Motor Service required	•	•	•

Communication Interfaces	Basic	Standard	High Flow
RS-232	•	•	•
Ethernet (optional)	•	•	•

Gas Connectors	Basic	Standard	High Flow
Air outlet 3/4" – 16 UNF (DISS)	•	•	•
Air inlet 3/4" – 16 UNF (DISS)		•	•

Additional Features (Options)	Basic	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	•	•	•