# *aeris*<sup>™</sup> Medical Air Compressor









"The most advanced technology at an affordable cost."



imtmedical

# If only everything could be as reliable and cost-effective as the *aeris*<sup>™</sup>.



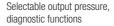








Medical grade oil free micro filtered dry air according to ISO 8573 with Active Carbon Filter



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<sup>™</sup> 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.

# **Pneumatic Data**

Output flow (Continous)

Output flow (Peak)

Internal tank size

Air quality

Oil and particulate filtration

Active carbone filtration

Dew point depression

45 L/min at 3 bar (43 psi)

250 L/min

0.2 L

5 µm (micron)

no

> 3°C below room temperature at peak output pressure > 10°C below room temperature

at peak output pressure with optional membrane dryer

# Standard

45 L/min at 3 bar (43 psi)

300 L/min

2 L

Medical grade according to ISO 8573 0.01 µm (micron)

> 3°C below room temperature at peak output pressure

> 10°C below room temperature at peak output pressure with optional membrane dryer

# **High Flow**

55 L/min at 3 bar (43 psi)

300 L/min

2 L

Medical grade according to ISO 8573

0.01 µm (micron)

> 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

# Standard

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

# **Physical Data**

Width, depth, height of device Weight of device

AC power

not available

35 x 35 x 55 cm 31 kg (67 lbs)

100 VAC (50/60Hz) 115 VAC (50/60Hz) 230 VAC (50/60Hz)

below 50 dBA at 1m

# 1 to 8 bar (14 to 114 psi)

Standard 35 x 35 x 55 cm

34 kg (74 lbs) 100 VAC (50/60Hz) 115 VAC (50/60Hz) 230 VAC (50/60Hz)

below 48 dBA at 1m

# 1 to 8 bar (14 to 114 psi)

**High Flow** 35 x 35 x 55 cm

34 kg (74 lbs) 100 VAC (50/60Hz)

115 VAC (50/60Hz) 230 VAC (50/60Hz)

below 48 dBA at 1m

# Noise

**Compliance & Approvals** 

**Environmental Data** Operating temperature Humidity

10 to 40°C (50 to 104°F)

below 85% relative humidity below 95% relative humidity with optional membrane dryer

# Standard

CE marking, EN60601-1 (safety), EN60601-1-2 (EMC), EN737, EN739

10 to 40°C (50 to 104°F)

below 85% relative humidity below 95% relative humidity with optional membrane dryer

# **High Flow**

10 to 40°C (50 to 104°F) below 85% relative humidity below 95% relative humidity with optional membrane dryer

# aeris™ Medical Air Compressor

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