

MFA0500

Blower for Blended or 100% Oxygen

Specific blower architecture with **patented motor cooling system completely independent** from the air inlet flow.

The **MFA0500** guarantees a **fully homogeneous Air-Oxygen blend** with complete patient safety in the case of an increase in temperature.



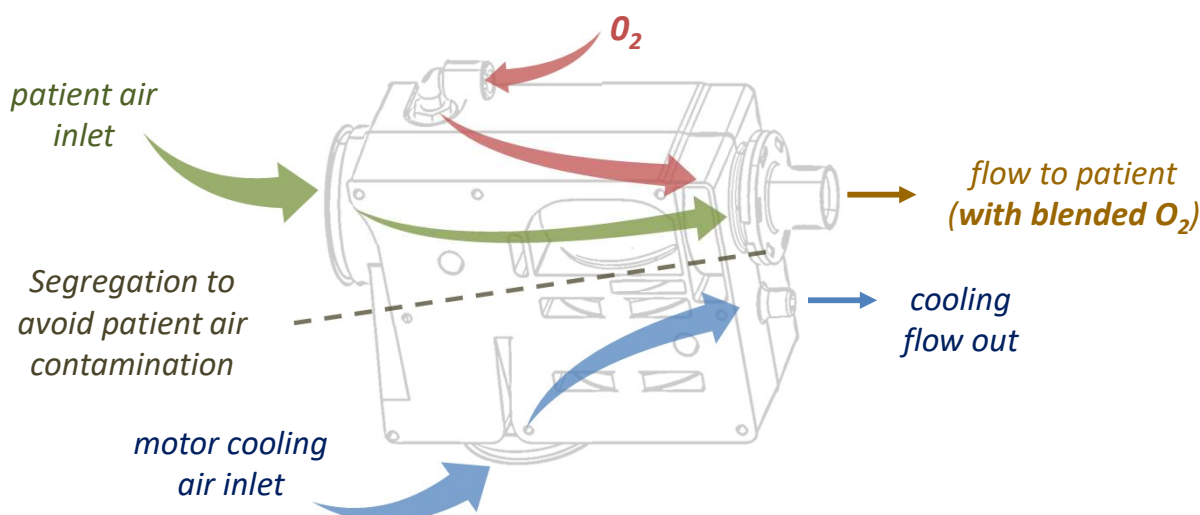
PERFORMANCES

ΔP max @24V		110 hPa	static pressure
Q max @24V		380 l/mn	freeflow
Typical w/p @30 l/mn		P = 12.5 (W)	@30 hPa
		P = 22.1 (W)	@60 hPa
LifeTime (L10)		> 40 000 hours*	
Type		Casing integration	

* LifeTime expectancy based on standard operating conditions

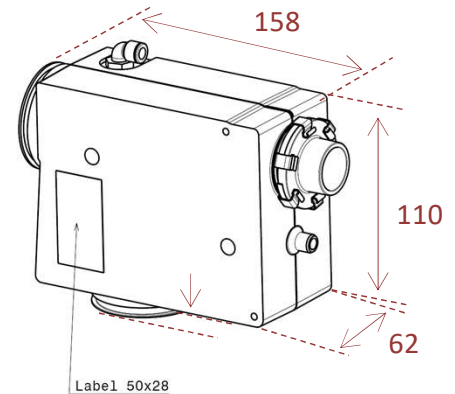
 Dynamic transient time*	< 113 ms	@3A max
	< 85 ms	@6A max
	< 68 ms	@10A max
* from 5 to 60 hPa @30 l/mn		
 Noise Level*	< 29 dBa	@10 hPa
	< 40 dBa	@50 hPa
	< 46 dBa	@100 hPa

* with Blower inlet @1m



TECHNICAL DATA

Voltage supply	24 VDC (nom) 28 VDC (max)
Motor type	Brushless with Hall-effect sensors
Dimensions (casing)	130 x 100 x 61 mm (5.3 x 3.9 x 2.4 in)
Weight	0.45 kg (~ 1.00 Lb)
Integration	works in any position/orientation
Temperature	+10 to +50°C ambient
Humidity	15 to 95% RH non condensing
Atmospheric pressure	660 to 1060 hPa
Oxygen compatibility	100% O2 compatible

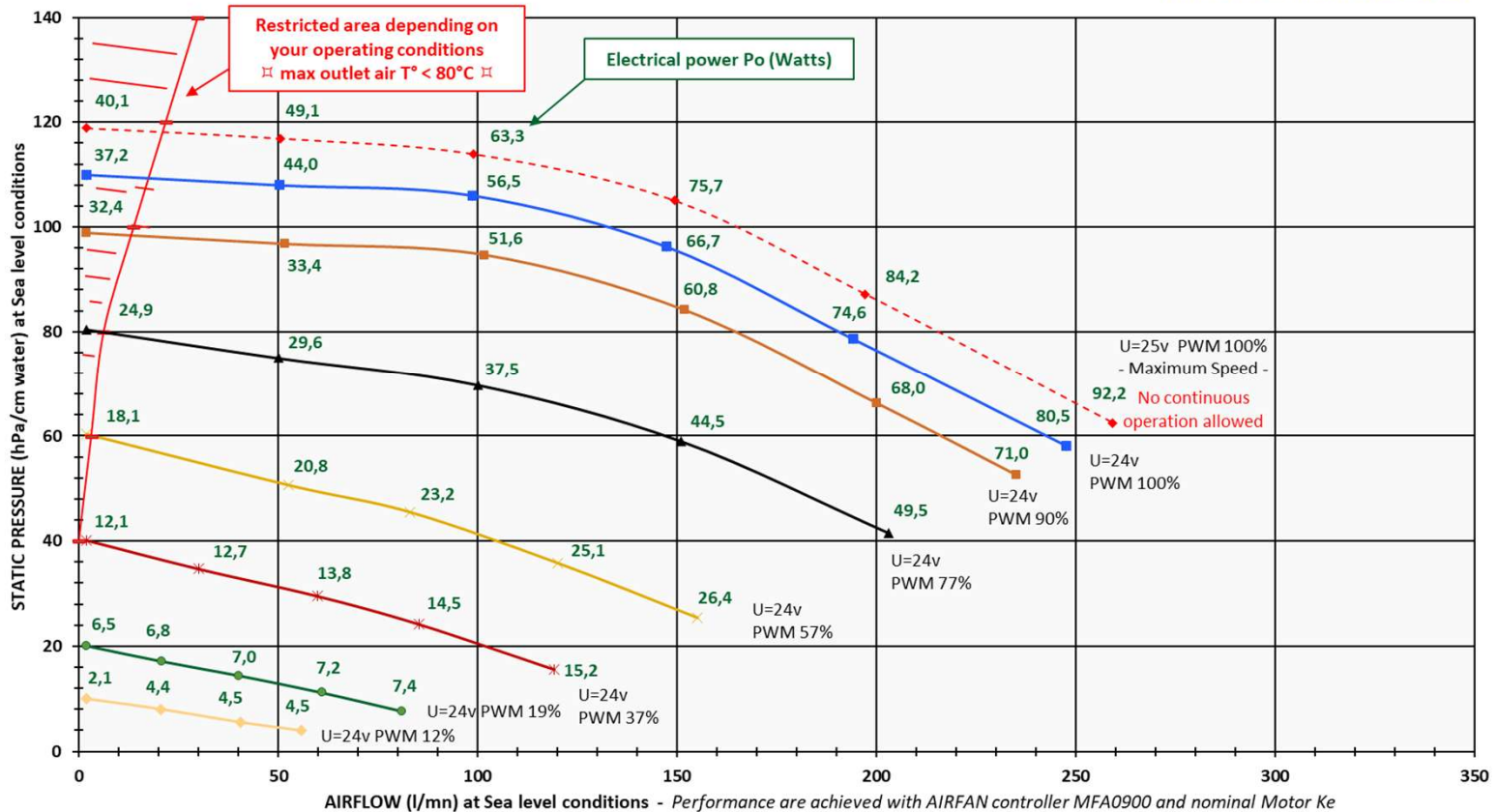


COMPRESSOR MAP

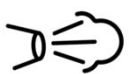
MFA0500 Turbine

Static ΔP vs Airflow at Constant PWM and Motor Voltage

PWM = Pulse Width Modulation



CUSTOMISATION



Outlet port

- ✓ Outlet port male or female connector (22Ø ISO5356-1) or additional auxiliary ports



- ✓ Low Leakage sealing as per ISO80601



- ✓ O-ring for air inlet



- ✓ Custom label



- ✓ Inlet filter for motor cooling



- ✓ Wire Length 150 or custom



CUSTOMISE TO YOUR SPECIFICATIONS

