

# MFA0208






## Blower designed for specific integration with Blended Air - 100% O<sub>2</sub> safe

A turbine's naked architecture with its patented independent motor cooling system. The **MFA0208** allowing O<sub>2</sub> injection before the turbine is specially designed for acceleration allowing up to **150 BPM** for neonate applications.





**designed for high BPM applications**

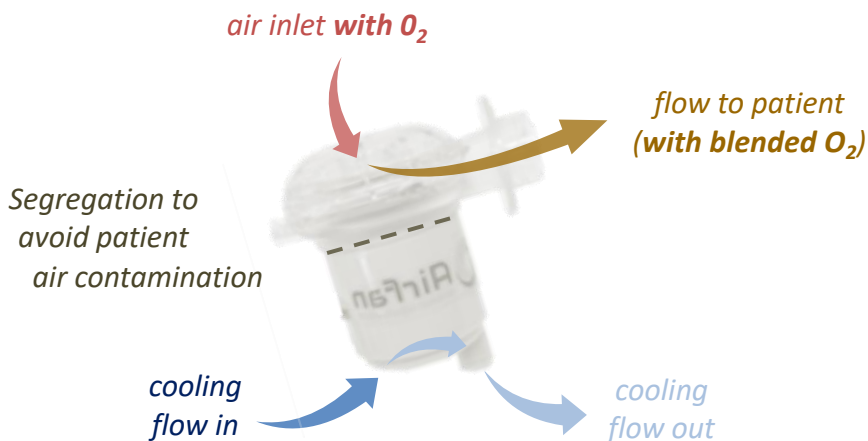
### PERFORMANCES

<b>ΔP max @24V</b> 	<b>70 hPa</b> fully closed
<b>Q max @24V</b> 	<b>340 l/mn</b> fully opened
<b>Typical w/p @30 l/mn</b> 	<b>P = 11.3 (W)</b> @30 hPa
	<b>P = 21.0 (W)</b> @60 hPa
<b>LifeTime (L10)</b> 	<b>&gt; 40 000 hours*</b>
<b>Type</b> 	<b>Naked turbine</b>

\* LifeTime expectancy based on standard operating conditions

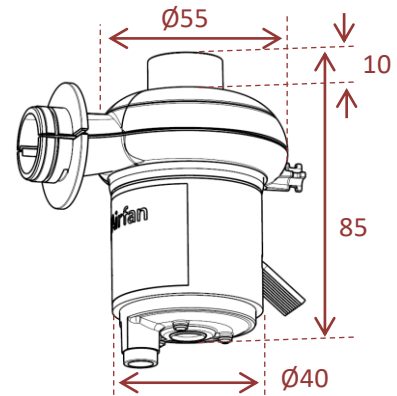
 <b>Dynamic transient time*</b>	<b>&lt; 97 ms</b> @3A max
	<b>&lt; 92 ms</b> @6A max
	<b>&lt; 86 ms</b> @10A max
<i>* from 5 to 60 hPa @30 l/mn</i>	
 <b>Noise Level*</b>	<b>&lt; 50 dBa</b> @10 hPa
	<b>&lt; 61 dBa</b> @30 hPa
	<b>&lt; 66 dBa</b> @60 hPa

\* with Blower inlet @1m



## TECHNICAL DATA

Voltage supply	24 VDC (nom)   28 VDC (max)
Motor type	Brushless with Hall-effect sensors
Dimensions (casing)	Ø55 x 85 mm (Ø2.2 x 3.4 in)
Weight	0.45 kg (~ 1.00 Lb)
Integration	works in any position/orientation
Temperature	-20 to +50°C ambient
Humidity	0 to 95% RH non condensing
Atmospheric pressure	700 to 1100 hPa
Oxygen compatibility	100% O2 compatible

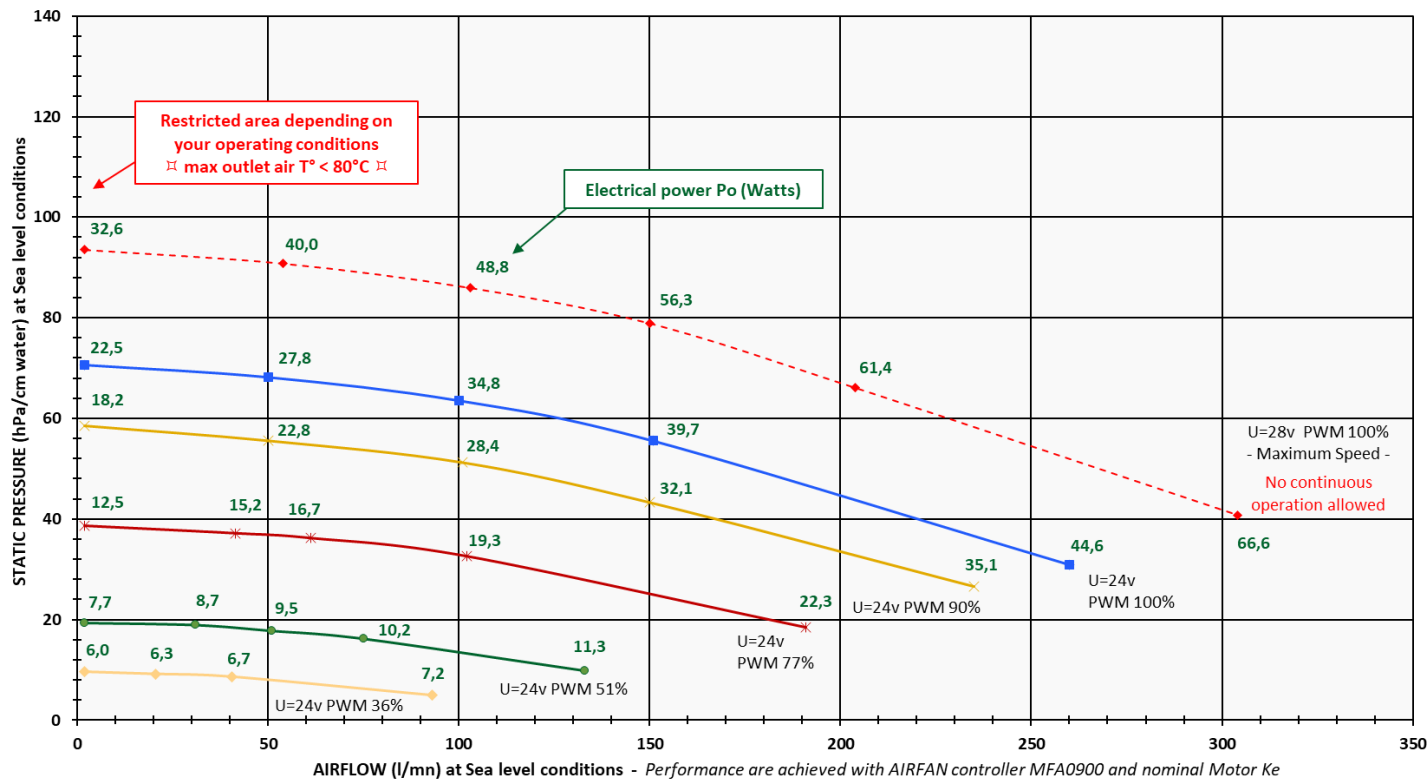


## COMPRESSOR MAP

### Static ΔP vs Airflow at Constant PWM and Motor Voltage

PWM = Pulse Width Modulation

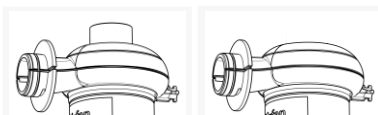
#### MFA0208 Turbine



## CUSTOMIZATION



with or without inlet tube



ASK FOR YOUR CUSTOMIZATION



Wire Length 150mm or custom

