



# MFA0208

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

Naked turbine architecture with **patented independent motor cooling system**. Allows **O<sub>2</sub>** to be injected before the turbine and specifically designed for high acceleration to **150 BPM** for **neonate applications**.



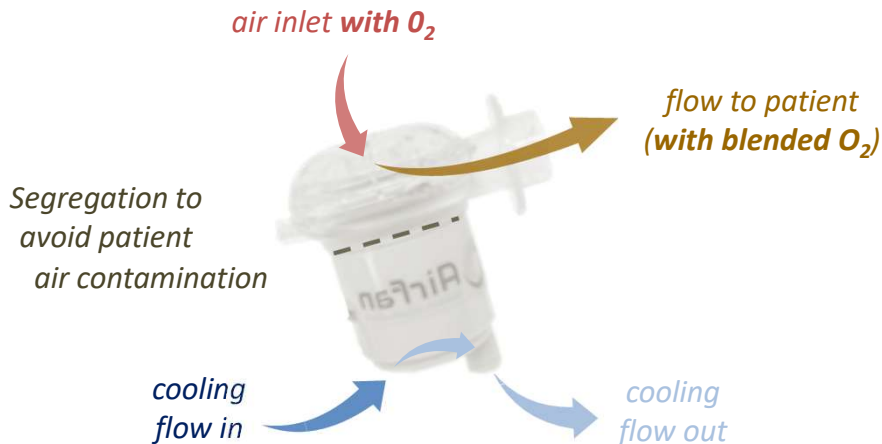
**designed for high BPM applications**

### PERFORMANCES

<b>ΔP max @24V</b>		<b>70 hPa</b>	<b>fully closed</b>	 <b>Dynamic transient time*</b>	<b>&lt; 97 ms</b>	<b>@3A max</b>
<b>Q max @24V</b>		<b>340 l/mn</b>	<b>fully opened</b>		<b>&lt; 92 ms</b>	<b>@6A max</b>
<b>Typical w/p @30 l/mn</b>		<b>P = 11.3 (W)</b>	<b>@30 hPa</b>		<b>&lt; 86 ms</b>	<b>@10A max</b>
		<b>P = 21.0 (W)</b>	<b>@60 hPa</b>	* from 5 to 60 hPa @30 l/mn		
<b>LifeTime (L10)</b>		<b>&gt; 40 000 hours*</b>		 <b>Noise Level*</b>	<b>&lt; 50 dBA</b>	<b>@10 hPa</b>
<b>Type</b>		<b>Naked turbine</b>			<b>&lt; 61 dBA</b>	<b>@30 hPa</b>
					<b>&lt; 66 dBA</b>	<b>@60 hPa</b>

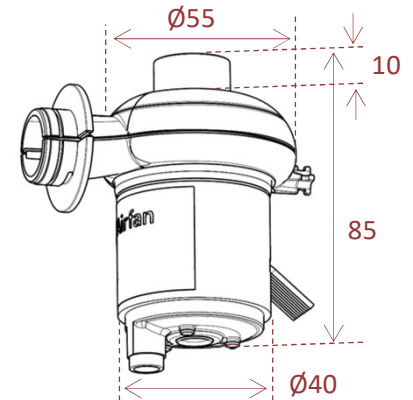
\* LifeTime expectancy based on standard operating conditions

\* 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

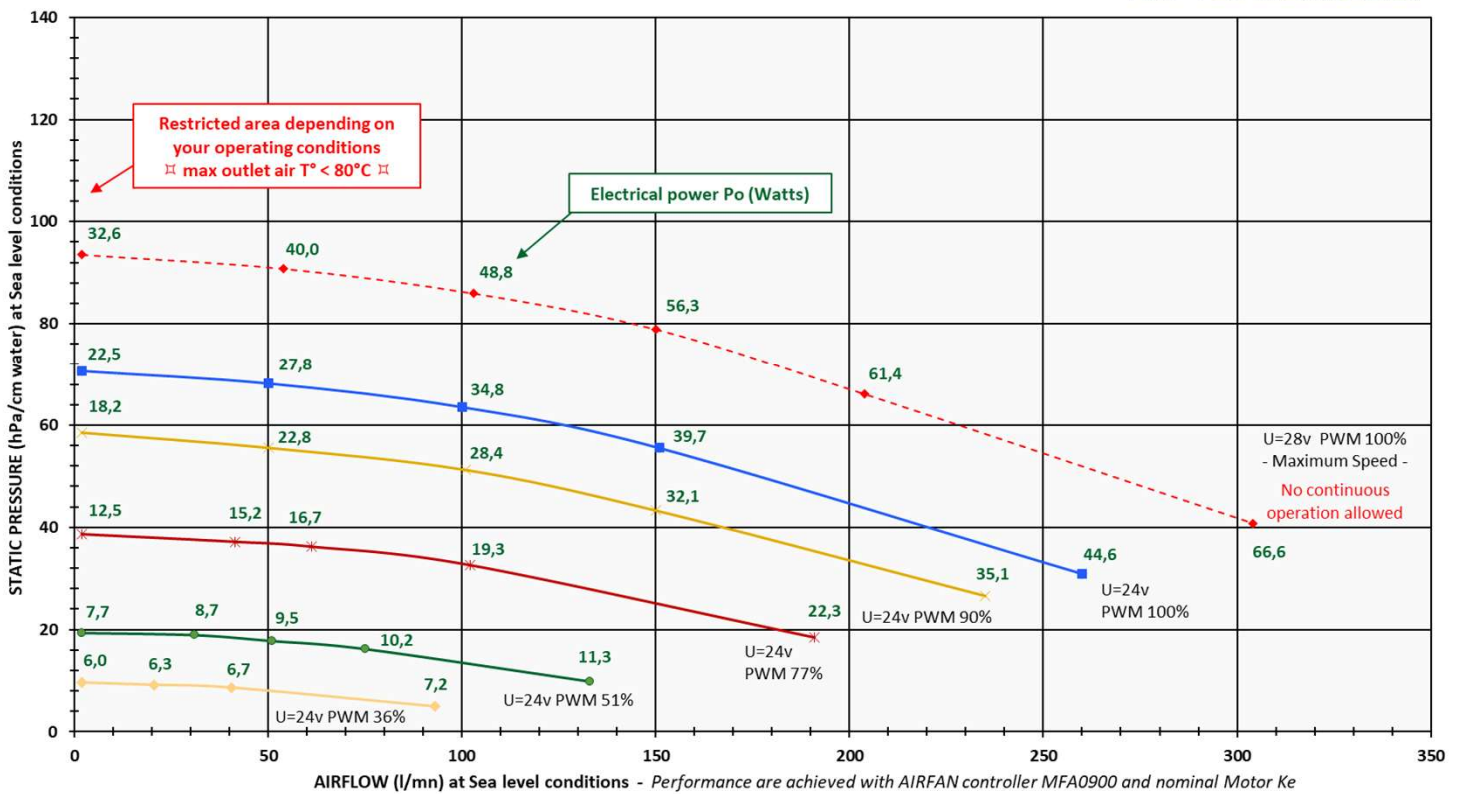


## COMPRESSOR MAP

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

PWM = Pulse Width Modulation

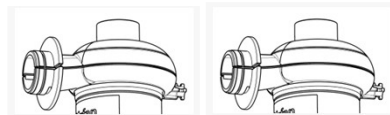
#### MFA0208 Turbine



## CUSTOMISATION



- with or without inlet tube



- Wire Length 150mm or custom



CUSTOMISE TO YOUR SPECIFICATIONS

