Boxer FPC 100

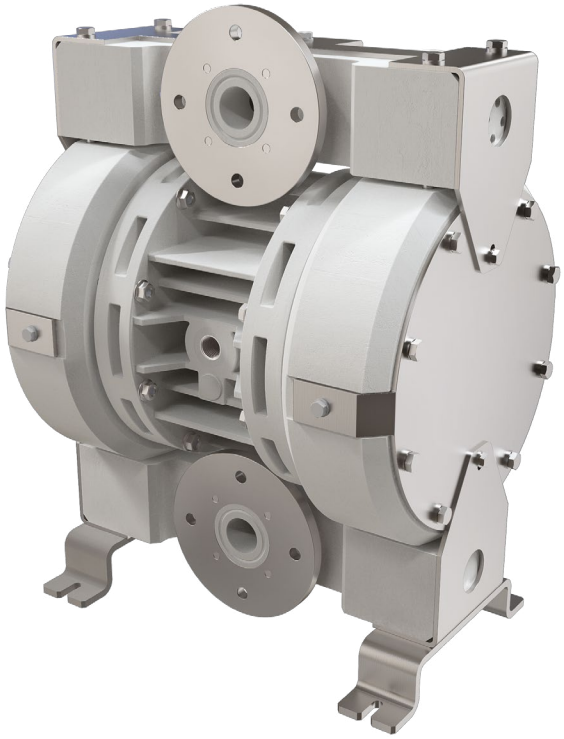
Specifications and types

Ex	Zone 2 – Zone 22	II 3G Ex h IIB T4 Gc e II 3D Ex h IIIB T135°C Dc X
	Zone 1 – Zone 21	II 2G Ex h IIB T4 Gb e II 2D Ex h IIIB T135°C Db X
	Zone 1 – Zone 21	II 2G Ex h IIC T4 Gb
	Zone M2	I M2 Ex h I Mb X
	IECEx	Ex h IIB T4 Gb e Ex h IIIB T135°C Db

** The Group IIC gas application string is applicable on Boxer series pumps in Conduct version with Conductive TFM diaphragms.

Suction / delivery connections	1"flangiati ANSI - DN 25
Air fitting	3/8" f BSPP
Max. flow rate*	130 l/min
Max. supply air pressure	8 bar
Max. head*	80 m
Max negative suction head - dry-running**	4 m
Max negative suction head - with pump primed	9,5 m
Max. diameter suspended solids	4 mm
Noise	75 dB

(*) NPT fittings only on request
* The curves and the performances refer to pumps with immersed suction and open delivery outlet, with water at 20°C and vary depending on material composition.
** The value depends on the pump configuration.

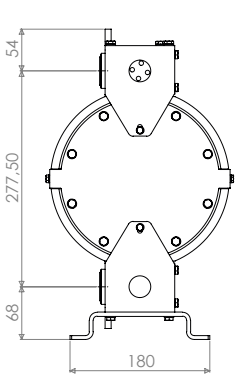


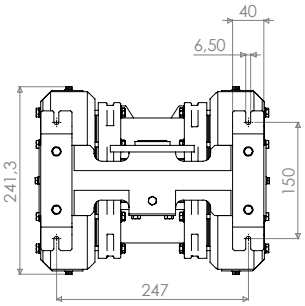
PLASTIC MATERIAL - PTFE

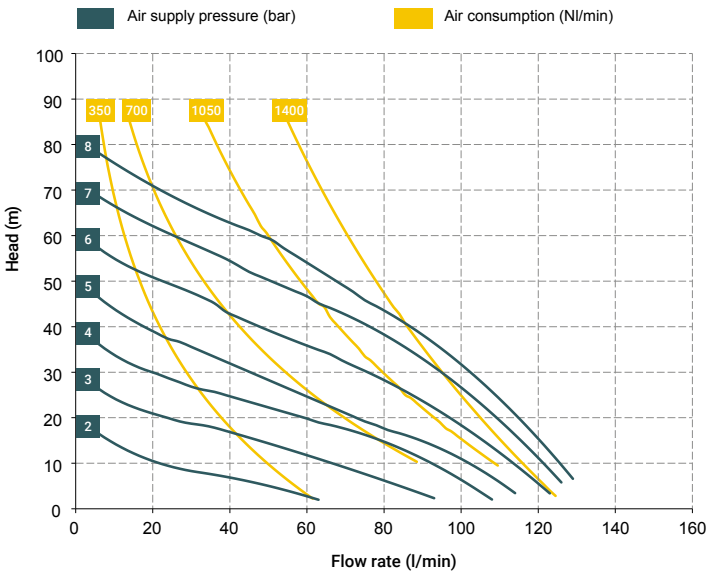
FPC 100

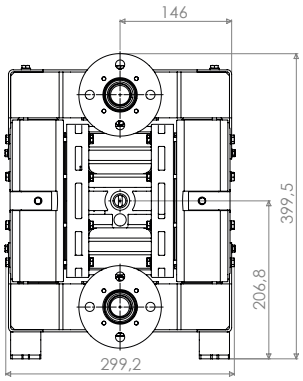
Maximum dimensions	
Height	399 mm
Width	299 mm
Depth	241 mm

Construction mat. (casing and manifolds) and net weight	
PTFE	21,6 Kg
	Temp. 3°C min.
	95°C max









The curves and performance of the pumps have been determined in accordance with the ANSI/HI 10.6/2016 standard and may vary depending on the composition materials.

Debem procedure

1. The suction manifold positioned with a positive head of 50 cm.
2. The maximum length of the suction pipe is 50 cm without bends, elbows, filters, or other accessories.
3. The diameter of the suction pipe must be the same diameter as the manifold or larger.
4. The discharge pipe, including the flow meter, must not exceed 1 meter and must be the same diameter as the manifold.
5. If testing with longer pipes is necessary, pipes of larger diameter must be used, otherwise the data may be distorted.

Any colour variations in our polypropylene and PVDF products are due to the special blends of the raw materials used. The use of high levels of glass and long-fiber carbon filler result in a unique colour that does not in any way affect the quality of the product; on the contrary, it points to the high level of content used to ensure outstanding performance.