

DIAPHRAGM PUMP SERIES

BXR 1" Pump

• TECH SPECS



Head / Flow rate guaranteed in compliance with ISO 9906

Suction/delivery connections	G 1" f o DN 25 – Clamp o NPT available only on request
Air fitting	G 3/8" f
Max flow rate *	42.2675 GPM
Max supply air pressure	8 bar
Max flow rate *	80 m
Max negative suction head – dry-running **	4 m
Max negative suction head – pump primed	9,5 m
Diameter Max suspended solids	4 mm
Noise level **	75 dB
Volume per stroke	222 cc

Construction materials (casing and manifolds) available on request:

- POMc
- UHMWPE
- Duplex/S.Duplex

Available in the following materials:

PP PVDF ALU SS

Construction materials (casing and manifolds) and net weight:

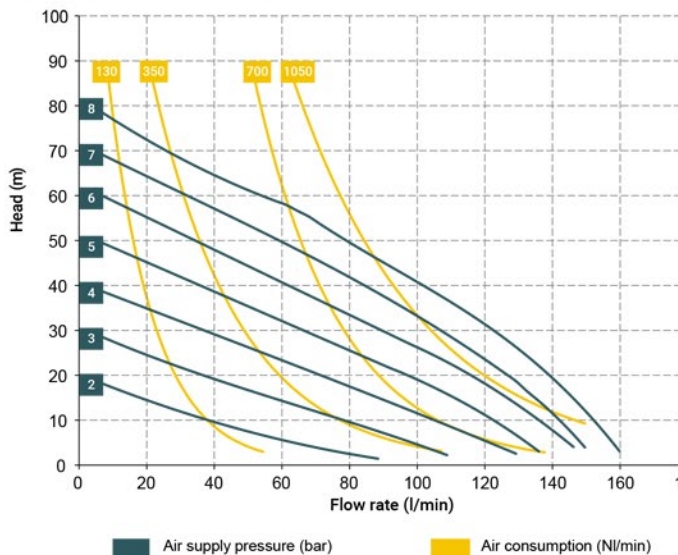
Version	Weight	Min	Max
PP (with glass additive)	7,6 kg	3° C	65° C
PP conductive (with carbon additive)	7,6 kg	3° C	65° C
PVDF (with carbon additive)	9,6 kg	3° C	95° C
ALU	8,5 kg	3° C	95° C
SS 316 L	11,7 kg	3° C	95° C

Maximum dimensions	Plastic	Stainless Steel	Aluminium
Height	325 mm	327 mm	324 mm
Width	329 mm	308 mm	315 mm

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PERFORMANCE



Suction / delivery connections	G 1" or DN 25 (*) - NPT only on request
Air fitting	G 3/8" f
Max flow rate*	160 l/min
Max supply air pressure	8 bar
Max head*	80 m
Max negative suction head - dry-running**	4 m
Max negative suction head - pump primed	9.5 m
Max diameter of suspended solids	4 mm
Noise level	75 dB
Volume per stroke	222 cc

MAIN APPLICATION SECTORS



(*) Available with NPT connections (on request)

*The curves and performance are referred to pumps with submerged suction and a free delivery outlet with water at 20°C, and vary according to the construction material.

** The value depends on the configuration of the pump.

DIMENSION



PP



Maximum Dimensions

Height	325 mm
Width	329 mm
Depth	202 mm



Construction materials (casing and manifolds) and net weight

Polypropylene (with glass additive)	7.6 Kg Max 3°C min. 65°C max
Conductive polypropylene (with carbon additive)	7.6 Kg Max 3°C min. 65°C max



Construction materials (casing and manifolds) available on request

POMc	
UHMWPE	



ALU



Maximum Dimensions

Height	324 mm
Width	315 mm
Depth	202 mm



Construction materials (casing and manifolds) and net weight

ALU	8.5 Kg Max 3°C min. 95°C max
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PVDF



Maximum Dimensions

Height	325 mm
Width	329 mm
Depth	202 mm



Construction materials (casing and manifolds) and net weight

PVDF	9.6 Kg Max 3°C min. 95°C max
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Construction materials (casing and manifolds) available on request

POMc	
UHMWPE	



Electropolished AISI 316 steel



Maximum Dimensions

Height	327 mm
Width	308 mm
Depth	202 mm



Construction materials (casing and manifolds) and net weight

Electropolished AISI 316	11.7 Kg Max 3°C min. 95°C max
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Construction materials (casing and manifolds) available on request

DUPLEX/W.DUPLEX	
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