

DIAPHRAGM PUMP SERIES BXR 1/2" Pump

• TECH SPECS



Head / Flow rate guaranteed in compliance with ISO 9906

Suction/delivery connections	G 1/2" f o DN 15 – Clamp o NPT available only on request
Air fitting	G 3/8" f
Max flow rate *	15.8503 GPM
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
Diameter Max suspended solids	4 mm
Noise level **	70 dB
Volume per stroke	67 cc

Construction materials (casing and manifolds) available on request:

- POMc
- UHMWPE

Available in the following materials:

PP PVDF ALU

Construction materials (casing and manifolds) and net weight:

Version	Weight	Min	Max
PP (with glass additive)	3,75 kg	3° C	65° C
PP conductive (with carbon additive)	3,75 kg	3° C	65° C
PVDF (with carbon additive)	4,25 kg	3° C	95° C
ALU	4,07 kg	3° C	95° C

Maximum dimensions	Plastic	Aluminium
Height	241 mm	234 mm
Width	247 mm	241 mm
Depth	153 mm	153 mm

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SS



Head / Flow rate guaranteed in compliance with ISO 9906

Suction/delivery connections	G 1/2" f o DN 15 – Clamp o NPT available only on request
Air fitting	G 3/8" f
Max flow rate *	15,8503 GPM
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
Diameter Max suspended solids	4 mm
Noise level **	70 dB
Volume per stroke	67 cc

Available in the following materials:

SS

Construction materials (casing and manifolds) and net weight:

Version	Gewicht	Min	Max
SS 316 L	6,3 kg	3° C	95° C

Construction materials (casing and manifolds) available on request:

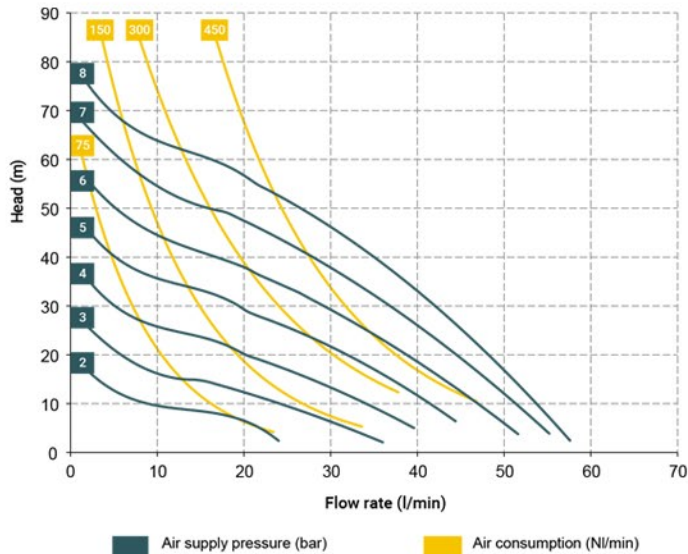
- Duplex/S.Duplex

Maximum dimensions	Stainless Steel
Height	232 mm
Width	230 mm
Depth	153 mm

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PERFORMANCE



[*] 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.

Suction / delivery connections	G 1/2" or DN 15 [*] - NPT only on request
Air fitting	G 3/8" f
Max flow rate*	60 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	70 dB
Volume per stroke	67 cc

MAIN APPLICATION SECTORS



DIMENSION



PP

Maximum Dimensions	
Height	241 mm
Width	247 mm
Depth	153 mm
Construction materials (casing and manifolds) and net weight	
Polypropylene (with glass additive)	3.75 Kg Max 3°C min. 65°C max
Conductive polypropylene (with carbon additive)	3.75 Kg Max 3°C min. 65°C max
Construction materials (casing and manifolds) available on request	
POMc	
UHMWPE	



ALU

Maximum Dimensions	
Height	234 mm
Width	241 mm
Depth	153 mm
Construction materials (casing and manifolds) and net weight	
ALU	4.07 Kg Max 3°C min. 95°C max



PVDF

Maximum Dimensions	
Height	241 mm
Width	247 mm
Depth	153 mm
Construction materials (casing and manifolds) and net weight	
PVDF	4.25 Kg Max 3°C min. 95°C max
Construction materials (casing and manifolds) available on request	
POMc	
UHMWPE	



AISI 316 L steel

Maximum Dimensions	
Height	232 mm
Width	230 mm
Depth	153 mm
Construction materials (casing and manifolds) and net weight	
AISI 316 L	6.3 Kg Max 3°C min. 95°C max
Construction materials (casing and manifolds) available on request	
DUPLEX/W.DUPLEX	