SEAL-LESS PUMP COMPANY

AMERICAN PROCESS EQUIPMENT

TECH-MAG Pumps

DIAPHRAGM PUMP SERIES
BXR 1.5” Pump

• EXTENDED INFORMATION

PP

PVDF

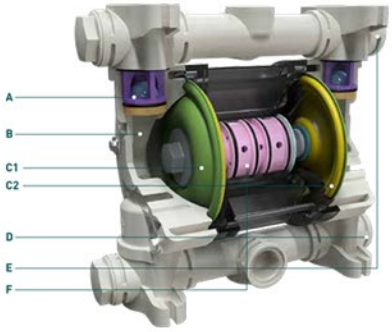
ALU

SS

Air-operated double diaphragm volumetric pumps, ATEX – IECEx certified, constructed in polypropylene or PVDF in the plastic version or in aluminium or AISI 316 L for the metal versions. BOXER pumps are ideal for pumping liquids with high apparent viscosity, even if containing suspended solids. The vast range of materials available for the parts in contact with the fluid, such as pump casings and manifolds, diaphragms, balls, ball seats and o-rings, makes them compatible with any type of fluid present on the market. They can be used in numerous applications such as the following industries: chemical, graphic, paint, galvanic, ceramic, naval, textile, leather, mechanical, oil and many more.

- PATENTED stall-prevention pneumatic circuit
- Operates with non-lubricated air
- Self-priming
- Dry operation
- ATEX certification for ZONE 1 - ZONE 2
- IECEx certification
- Adjustable operating speed
- Extremely versatile
- Suitable for pumping liquids with high viscosity and demanding applications
- Possibility of pumping fluids containing suspended solids
- Possibility of suspended installation
- Manifolds can be supplied with stainless steel reinforcement rings for pumps in PP – PP+CF – PVDF
- Nozzles available with clamp connections and DIN 11851 (only pumps in AISI 316)
- LONG LIFE profile diaphragms (available in different elastomers) for greater resistance and longer life
- Suitable for continuous use

A = ball valves
B = pumping chamber
C1 = product-side diaphragm
C2 = air-side diaphragm
D = suction manifold
E = delivery manifold
F = pneumatic exchanger



BOXER PUMP CODES ENCODING

ex. IBXR0.5-P-HTTPV--
Internal distributor, 1/2" Boxer, PP casing, Hytrel® air side diaphragm, PTFE product side diaphragm, PTFE balls, PP ball seats, Viton® o-ring.

I	BXR0.5	P	H	T	A	P	D	-	-
INTERNAL DISTRIBUTOR	PUMP MODEL	PUMP CASING	AIR-SIDE DIAPHRAGM	FLUID-SIDE DIAPHRAGM	BALLS	BALL SEATS	O-RING	SPLIT MANIFOLD	CONDUCT VERSION
I	**BXR38** - BXR 3/8" **BXR0.5** - BXR 1/2" **BXR1** - BXR 1" **BXR1.5** - BXR 1-1/2" **BXR2** - BXR 2" **BXR3** - BXR 3"	**P** - Polypropylene **FC** - PVDF+CF **PC** - PP+CF **AL** - Aluminium **A** - AISI 316	**N** - NBR **D** - EPDM **H** - Hytrel **M** - Santoprene	**T** - PTFE	**T** - PTFE **A** - AISI 316 **D** - EPDM **N** - NBR	**P** - Polypropylene **F** - PVDF **A** - AISI 316 **I** - PE-UHMW **R** - PPS-V **L** - Aluminium	**D** - EPDM **V** - Viton® **N** - NBR **T** - PTFE **S** - Silicone	**X*** **3*** **Y*** **J*** **W***	**C*** **Z***

*X = split manifold
*3 = 3° central hole on manifold
*Y = "NPT" thread
*J = spacer on shaft
*W = clamp manifold
(all only on request)

C = version CONDUCT for standard ATEX ZONE 1 Ex II 2/2GD c IIB T135°C
Z = version for standard IECEx
(both only on request)

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