

1" - 170 l/min

Diaphragm pumps R. 1:1 for transferring fluids, made of molding injected polypropylene with motor made in aluminum. These versions have got 1" flange to connect the pump with the plant. Use the new AISI 304 stainless steel flange available in the accessories section for the piping connection.



Note: The max flow rate shown in the below graphics has been obtained by laboratory test.



Series			1000-PPAB	1000-PPAB dual inlet
membranes	balls	seats	P/N	P/N
EPDM	Acetal	Stainless steel AISI 316	OE2B4/26117EAI	OE2B7/26117EAI
Hytrel®	Hytrel®	Stainless steel AISI 316	OE2B4/26117HHI	OE2B7/26117HHI
NBR	Hytrel®	Stainless steel AISI 316	OE2B4/26117NHI	OE2B7/26117NHI
Santoprene™	Santoprene™	Stainless steel AISI 316	OE2B4/26117SSI	OE2B7/26117SSI
PTFE+Hytrel® *	PTFE	Stainless steel AISI 316	OE2B4/26117TTI	OE2B7/26117TTI
Max pressure			8 bar	8 bar
Max cycles per min			300 cpm	300 cpm
Litres per cycle **			0,590 l	0,590 l
Max suction lift			dry column 5 m - wet column 7,5 m	dry column 5 m - wet column 7,5 m
Max size pumpable solids			3 mm	3 mm
Max working temperature ***			65 °C	65 °C
Noise level			75 dB	75 dB
Max air consumption			1,60 m ³ /min	1,60 m ³ /min
Air working pressure			2 - 6 bar	2 - 6 bar
Air inlet connection			F 3/8" G	F 3/8" G
Air outlet connection (muffler)			F 1/2" G	F 1/2" G
Fluid inlet connection			ANSI 150 - DIN PN 10 - JIS 10K 1" (25 mm) proneness to F 1.1/4" G thread	dual inlet ANSI 150 - DIN PN 10 - JIS 10K 1" (25 mm) proneness to F 1.1/4" G thread
Fluid outlet connection			ANSI 150 - DIN PN 10 - JIS 10K 1" (25 mm) proneness to F 1.1/4" G thread	ANSI 150 - DIN PN 10 - JIS 10K 1" (25 mm) proneness to F 1.1/4" G thread
Balls for inlet and outlet				
Overall dimensions (A x B x C x D x E) mm			305 x 200 x 420 x 191 x 130	357 x 200 x 420 x 191 x 130
Screws for pump fixing			M10	M10
Packing - Weight			N° 1 m ³ 0,03 kg 7	N° 1 m ³ 0,03 kg 12,1

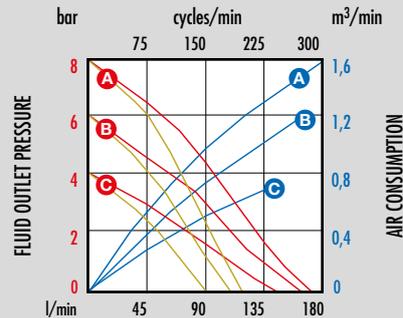
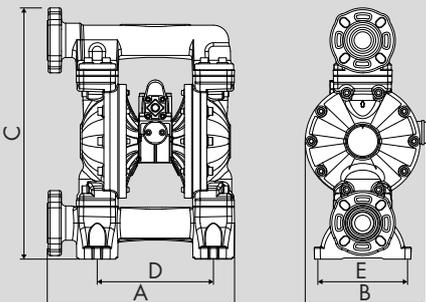
* With PTFE membrane flow rate is 10 % lower

** Displacement per cycle may be influenced by suction lift, fluid viscosity, air pressure, number of cycles per minute

*** The materials in contact with the fluid, and the fluid as well, can restrict the pump working temperature

PUMP AIR FEEDING PRESSURE

A A (8 bar) **B B** (6 bar) **C C** (4 bar)



■ KIND OF FLUID: Water 20 °C
 ■ SAE30 oil: (ISO VG 100) 20 °C