

Ref.: 551162



1" PNEUMATIC DOUBLE DIAPHRAGM PUMP, DF100, DIRECTFLO SERIES, CPP-PTFE-PTFE

Very compact and reliable diaphragm pumps for medium to large volume transfer (100 l/min max.), dosing, spraying and dispensing a variety of fluids. Polypropylene pumps have a polypropylene air motor. Typical applications for these pumps are transferring and dispensing of windshield washer and antifreeze solutions. They can be used as stand-alone pumps for transfer applications or as systems pumps in distribution systems that include hose reels. This model is a fully groundable ATEX certified pump, for use in potentially explosive atmospheres (Ex II2 GD IIB/IIC 95 °C). VIDEO Youtube: https://youtu.be/b_O8J029PxY Instruction books: 855837 and 855816.

Technical data

Documentation

More information

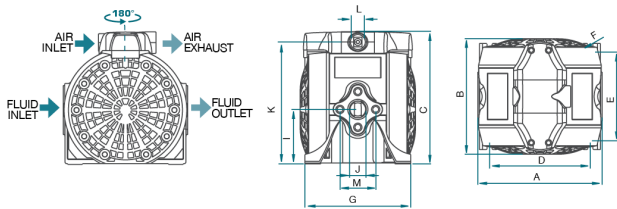
Target product type	Directflo Series Diaphragm Pumps
Pump size	1"
Pressure ratio	1:1
Maximum free flow delivery	100 l/min (28 gal/min)
Air pressure operating range	1,5-8 bar (20-120 psi)
Solids in suspension maximum size	4 mm (0,18 ")
Maximum dry suction head	4,5 m (15 ft)
Maximum wet suction head	7 m (23 ft)
Delivery per cycle	0,5 l (0,13 gal)
Fluid inlet	1" BSP (F)
Fluid outlet	1" BSP (F)
Air inlet	3/8" NPSM (F)
Air exhaust port	3/8" NPSM (adapter required)
Sound level	80 dB
Certification	ATEX
Fluid path material	Conductive polypropylene
Diaphragms type & material	PTFE
Valve seats material	Stainless steel (AISI 316)
Valve balls material	PTFE
Shaft material	Stainless steel
Seals material	FKM
Other wetted materials	Stainless steel
Wetted materials	Conductive polypropylene, PTFE, Stainless steel (AISI 316), Stainless steel, Viton

Air motor material	Conductive polypropylene
Weight	5,1 kg (11,24 lb)
Compatible fluids	Ethanol, Windscreen washer, Detergent

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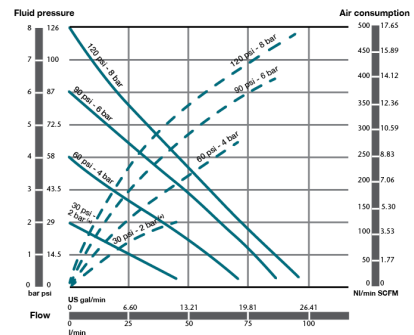
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mm											
A	B	C	D	E	F*	G	I	J	K	L	M
216	218	230	175	154	8	184	94.5	1 (F)	211.5	3/8 (F)	62
in											
A	B	C	D	E	F*	G	I	J	K	L	M
8 1/2	8 3/64	9 1/16	6 5/64	4 5/64	5/16	7 1/4	3 23/32	1 (F)	8 21/64	3/8 (F)	2 7/16

Tested at room temperature, with water and flooded pump with 800 mm (31.5 inches) height of water above the pump inlet.



(*) 2 bar (30 psi) test with a PTFE (Teflon®) diaphragms pump.

— Outlet pressure
- - - Air consumption