

Ref.: 551010

1" PNEUMATIC DOUBLE DIAPHRAGM PUMP, DF100, DIRECTFLO SERIES, ALUMINIUM-HYTREL-ACETAL

Very compact and reliable diaphragm pumps for medium to large volume transfer (100 l/min max.), dosing, spraying and dispensing a variety of fluids. Aluminium pumps have an aluminium 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. Instruction book: 855837.

Technical data Documentation More information

Fluid ports / Location	BSP/NPT
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	Aluminium
Diaphragms type & material	Hytrel
Valve seats material	Stainless steel (AISI 316)
Valve balls material	Acetal
Shaft material	Stainless steel
Seals material	NBR
Other wetted materials	Stainless steel
Wetted materials	Aluminium, Hytrel, Acetal, Stainless steel (AISI 316),

	Stainless steel, Viton
Air motor material	Aluminium
Weight	7,2 kg (16 lb)
Compatible fluids	Coolant, Windscreen washer

Technical data Documentation More information

Instruction manuals

855837 Instruction book: Pneumatic double diaphragm pump, DC30, DC50, DF30, DF50, DF100, DirectFlo series (NEW codification) (PDF)

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Spare parts

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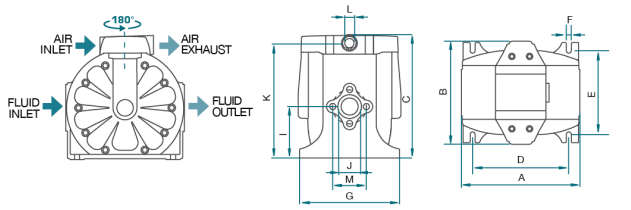

mm

A	B	C	D	E	F*	G	I	J	K	L	M
216	189	227	175	154	9	184	94'5	1 (F)	210	3/8 (F)	62

in

A	B	C	D	E	F*	G	I	J	K	L	M
8 1⁄2	6 19⁄64	8 15⁄16	6 57⁄64	6 1⁄16	23⁄64	7 1⁄4	3 23⁄32	1 (F)	8 17⁄64	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.

