

Ref.: UP05B-BPS-PMA



1/2" PNEUMATIC DOUBLE DIAPHRAGM PUMP, UP05, PIVOT SERIES, CONDUCTIVE PP-PP-SANTOPRENE-SANTOPRENE, BSP-LAT&CEN-THREADED

Air operated double diaphragm pumps for dosing, spraying, transferring, evacuating and distributing a wide variety of fluids. SAMOA offers a wide range of material options for chemical compatibility and to withstand abrasion, temperature and fatigue caused by demanding conditions. UP05 pump makes the difference through:

- HIGHER EFFICIENCY. Maximum fluid flow with reduced air consumption.
- INCREASED RELIABILITY. No stall, no icing, reliable start-up and longer air valve and diaphragm lives.
- MAXIMUM VERSATILITY. Metal pumps and a wide range of diaphragms, seats and balls offer broad fluid and application compatibility.
- EASY SERVICING. Simplified maintenance and cleaning. Components designed for long life and reliability. This model is a fully groundable ATEX certified pump, for use in potentially explosive atmospheres (Ex II2 GD IIB/IIC 95 °C). Instruction book: 855875.

Technical data

Documentation

More information

Pump size	1/2"
Pressure ratio	1:1
Target product type	Pivot Series Diaphragm Pumps
Maximum free flow delivery	54 l/min (14,3 gal/min)
Air pressure operating range	1,5-7 bar (20-100 psi)
Solids in suspension maximum size	2,5 mm (0,09 ")
Maximum dry suction head	5 m (16 ft)
Maximum wet suction head	8 m (26 ft)
Delivery per cycle	0,15 l (0,04 gal)
Fluid inlet	1/2" BSP (F)
Fluid outlet	1/2" BSP (F)
Air inlet	1/4" NPSM (F)
Air exhaust port	1/2" NPT (F)
Sound level	75 dB
Certification	CE
Central body & Air chambers material	Conductive polypropylene
Fluid ports / Location	1/2" BSP central and lateral threaded
Fluid chambers & Manifolds material	Polypropylene
Hardware Bolts & Inserts material	Stainless steel
Diaphragms type & material	Santoprene

Valve seats material	Polypropylene
Valve balls material	Santoprene
Wetted materials	Polypropylene, Santoprene
Accessories for UE Pumps	No
Weight	3 kg (6,6 lb)

Technical data

Documentation

More information

Instruction manuals

855875 Instruction book: UP05 AODDP Non Metallic

[Download](#)

Catalogs

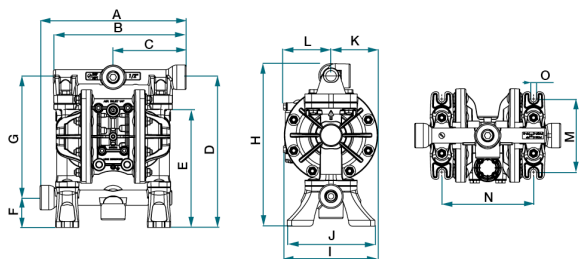
Product brochure: AODDP, UP05 NON METAL, 2023 EN (PDF)

[Download](#)

Technical data

Documentation

More information



mm	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
	250	228	125	257	200	51	206	278	161	150	80	81	125	157	10
inches	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
	9.84	8.98	4.92	10.12	7.87	2.01	8.11	10.95	6.34	5.91	3.15	3.19	4.92	6.18	0.39

Performance charts with water at room temperature (20 °C - 70 °F)

