

Ref.: UP05A-BAC-AHC



1/2" PNEUMATIC DOUBLE DIAPHRAGM PUMP, UP05, PIVOT SERIES, ALUMINIUM-ALUMINIUM-HYTREL-HYTREL, 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 Metallic pumps make 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 diaphragms life.
- MAXIMUM VERSATILITY. Aluminium and Stainless Steel pumps with a wide range of diaphragms, seats and balls options offer broad fluid and application compatibility. Highly suitable for outdoors and general applications with presence of abrasives.
- EASY SERVICING. Simplified maintenance and cleaning. The pump is held together by carriage bolts and nuts allowing to accomplish a much faster tear down and rebuild.
- COMPACT DESIGN. Ready to meet any OEM application needs.
- CONNECTIVITY. Can be configured to connect a Smart Pump-Controller System to actuate, control and monitor your pumps. Instruction books: 855876 and 855879.

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	1,5-8 bar (20-120 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	ATEX
Central body & Air chambers material	Aluminium
Fluid ports / Location	1/2" BSP central and lateral threaded
Fluid chambers & Manifolds material	Aluminium

Hardware Bolts & Inserts material	Carbon steel
Diaphragms type & material	Hytrel
Valve seats material	Aluminium
Valve balls material	Hytrel
Wetted materials	Aluminium, Hytrel
Accessories for UE Pumps	No
Weight	3,9 kg (8,6 lb)

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Instruction manuals

855876 Instruction book: UP05 AODDP Metallic

[Download](#)

855879.pdf

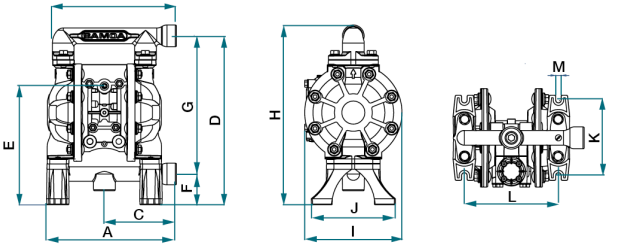
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Catalogs

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

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mm	A	B	C	D	E	F	G	H	I	J	K	L	M
ALUMINIUM	216	207	120	281	197	51	230	299	162	140	124	155	9
STAINLESS STEEL	193	-	96	281	198	51	230	295	161	140	124	155	9
Inches	A	B	C	D	E	F	G	H	I	J	K	L	M
ALUMINIUM	8.50	8.15	4.72	11.06	7.76	2.01	9.06	11.77	6.38	5.52	4.88	6.10	0.35
STAINLESS STEEL	7.60	-	3.78	11.06	7.80	2.01	9.06	11.61	6.34	5.52	4.88	6.10	0.35

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

