

Ref.: UP05A-BAC-ATZ



1/2" PNEUMATIC DOUBLE DIAPHRAGM PUMP, UP05, PIVOT SERIES, ALUMINIUM-ALUMINIUM-PTFE-PTFE, 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	PTFE
Valve seats material	Aluminium
Valve balls material	PTFE
Wetted materials	Aluminium, PTFE
Accessories for UE Pumps	No
Weight	3,9 kg (8,6 lb)

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Instruction manuals

855876 Instruction book: UP05 AODDP Metallic

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855879.pdf

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Catalogs

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

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