

Ref.: UP20A-NAC-MMM



2" PNEUMATIC DOUBLE DIAPHRAGM PUMP, UP20, PIVOT SERIES, ALUMINIUM-SANTOPRENE-ALUMINIUM-SANTOPRENE, NPT-CENTRAL-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. UP20 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). VIDEO Youtube: <https://youtu.be/sGp4aNBHwiI>

Instruction books: 855859 and 855865.

Technical data

Documentation

More information

Pump size	2"
Pressure ratio	1:1
Target product type	Pivot Series Diaphragm Pumps
Maximum free flow delivery	650 l/min (172 gal/min)
Air pressure operating range	1,5-8 bar (20-120 psi)
Solids in suspension maximum size	6,4 mm (0,25 ")
Maximum dry suction head	5 m (16 ft)
Maximum wet suction head	8 m (26 ft)
Delivery per cycle	4,5 l (1,2 gal)
Fluid inlet	2" NPT (F)
Fluid outlet	2" NPT (F)
Air inlet	3/4" NPT (F)
Air exhaust port	1 1/2" NPT (F)
Sound level	85 dB
Certification	ATEX
Central body & Air chambers material	Aluminium
Fluid ports / Location	2" NPT central threaded
Fluid chambers & Manifolds material	Aluminium
Hardware Bolts & Inserts material	Carbon steel
Diaphragms type & material	Santoprene

Valve seats material	Santoprene
Valve balls material	Santoprene
Wetted materials	Aluminium, Santoprene
Accessories for UE Pumps	No
Weight	46 kg (101 lb)

[Technical data](#)

[Documentation](#)

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Instruction manuals

855859 Instruction book: 2" pneumatic double diaphragm pump, UP20, Pivot series, metallic versions (PDF)

[Download](#)

855864 Instruction book: Pneumatic double diaphragm pumps, DF30, DF50, DF100, DirectFlo series, Externally driven versions (PDF)

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Catalogs

Product brochure: AODDP, UP20 METAL, 2023 EN (PDF)

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Spare parts

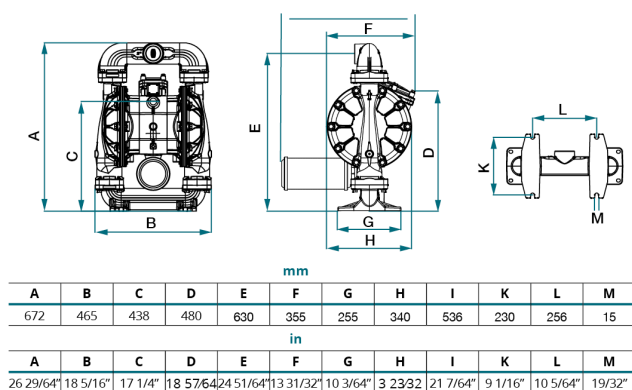
Spare part document: UP2011 554510 (PDF)

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Tested at room temperature, with water. Flooded pump with positive suction head.

