

Ref.: 554530



2" PNEUMATIC DOUBLE DIAPHRAGM PUMP, UP20, PIVOT SERIES, ALUMINIUM-ALUMINIUM-NBR-NBR, BSP-CENTRAL-THREADED (LUBE)

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

Target product type	Pivot Series Diaphragm Pumps
Pump size	2"
Pressure ratio	1:1
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" BSP (F)
Fluid outlet	2" BSP (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" BSP central threaded
Fluid chambers & Manifolds material	Aluminium
Hardware Bolts & Inserts material	Carbon steel
Diaphragms type & material	NBR
Valve seats material	NBR

Valve balls material	NBR
Wetted materials	Aluminium, NBR
Accessories for UE Pumps	No
Weight	46 kg (101 lb)
Compatible fluids	Water, Oil, Waste oil, Water based fluids

- Technical data
Documentation
More information

Instruction manuals

855859 Instruction book: UP20 AODDP Metallic

[Download](#)

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

[Download](#)

Catalogs

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

[Download](#)

- Technical data
Documentation
More information

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

