

Ref.: UP20A-BSS-STZ

2" PNEUMATIC DOUBLE DIAPHRAGM PUMP, UP20, PIVOT SERIES,ALUMINIUM-STAINLESS STEEL-PTFE-PTFE, BSP-CENTRAL-THREATED

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 lifes. · 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" 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	Stainless Steel
Hardware Bolts & Inserts material	Stainless steel
Diaphragms type & material	PTFE
Valve seats material	Stainless steel (AISI 316)

Valve balls material	PTFE
Wetted materials	Stainless steel, PTFE
Accessories for UE Pumps	No
Weight	76 kg (168 lb)

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Instruction manuals

855859 Instruction book: UP20 AODDP Metallic

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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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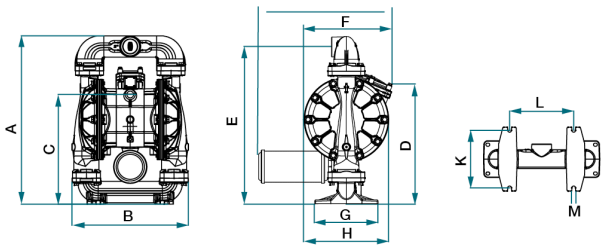

mm

A	B	C	D	E	F	G	H	I	K	L	M
672	465	438	480	630	355	255	340	536	230	256	15

in

A	B	C	D	E	F	G	H	I	K	L	M
26 29/64"	18 5/16"	17 1/4"	18 57/64	24 51/64"	13 31/32"	10 3/64"	3 23/32	21 7/64"	9 1/16"	10 5/64"	19/32"

