

2" NON-METALLIC PUMPS

The 2" (51 mm) Air Operated Diaphragm Pumps made of injected moulded plastic parts can reach a flow rate up to 172 gal/min (650 l/min). They are available in natural or conductive polypropylene and PVDF for optimum fluid compatibility and corrosion resistance.

Side off-set inlet and outlet ports to avoid eventual material leaks onto the pump footprint. The discharge and inlet manifolds can rotate 180° for maximum pump installation versatility. The flanged bolted ports meets both DIN and ANSI standards. These pumps are used for transferring, filling and batch dispensing in a variety of industries.



Non contractual pictures.

PUMP NOMENCLATURE

Example: **UP20B-FPS-PMA**

UX20X		XXX			XXX		
PUMP TYPE	AIR BODY	HOUSINGS		WETTED PARTS			
1 Pump Type & Size	2 Central Body & Air Chambers	3 Fluid Ports / Location	4 Fluid Chambers & Manifolds	5 Hardware Bolts	6 Valve Seats	7 Valve Balls	8 Diaphragms Type & Material
UP20 Universal Pump (Bolted)	ATEX Certified B* = Conductive Polypropylene (black)	F = 2" ANSI/DIN Flanged Ports / Side Ends.	P = Polypropylene (white) W = PVDF (Kynar®) (graphite) ATEX Certified B* = Conductive Polypropylene (black)	S = Stainless Steel	P = Polypropylene T = PTFE (Teflon®)	H = Hytrel® M = Santoprene® N = Nitrile (Buna-N) T = PTFE (Teflon®) V = FKM (Viton®)	Conventional A = Santoprene® C = Hytrel® G = Nitrile (Buna-N) V = FKM (Viton®) Two-piece Z = PTFE (Teflon®) with Santoprene backer) Overmolded N = Nitrile (Buna N) H = Hytrel® M = Santoprene® T = PTFE / EPDM (Bonded)

* ATEX Certified pumps for use in hazardous locations ATEX Group II 2GDx.

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MAIN APPLICATIONS

- OIL & GAS/PETROCHEMICAL
- PAINT & COATING INDUSTRY
- CHEMICAL PROCESSING
- WASTE WATER/WATER TREATMENT
- FILTER PRESS (WATER DISPOSAL)
- PLANT & MECHANICAL ENGINEERING
- PULP & PAPER/CARDBOARD
- POWER STATIONS (ENERGY)
- TANK FARM/BULK TRANSFER

TECHNICAL DATA

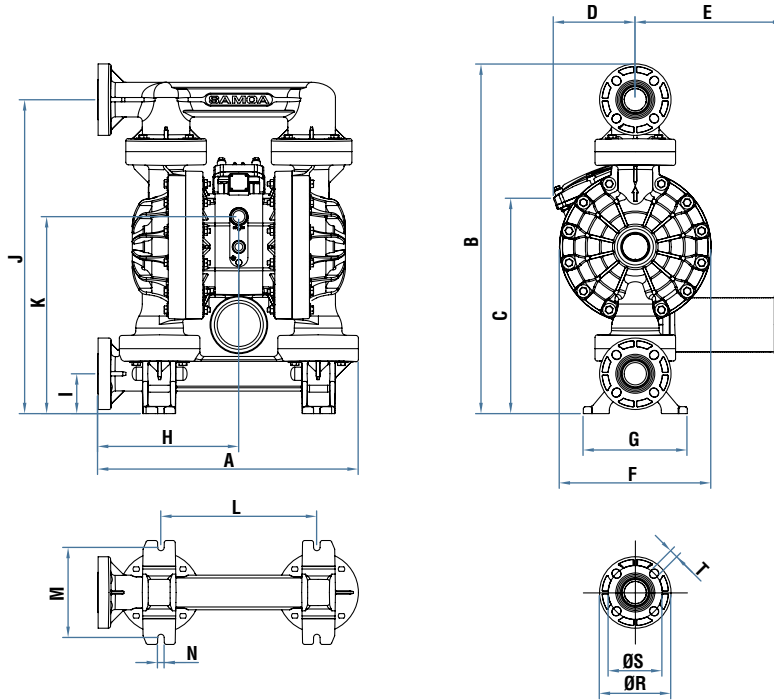
UP20 NON-METALLIC PUMPS

Pressure ratio	1:1
Maximum free delivery	172 US gal/min (650 l/min)
Air pressure range	20 to 120 psi (1,5 to 8 bar)
Solids in suspension, Max. size	1/4" (6,4 mm)
Max dry suction lift	16' (5 m)
Max wet suction lift	26' (8 m)
Displacement per cycle*	1.2 gal (4,5 l)
Fluid inlet/outlet ports (Flanged)	2" ANSI/DIN. Side Ends.
Air inlet port (Female)	3/4" NPT (F)
Air exhaust port (Female)	1 1/2" NPT (F)
Sound level	85 dB (A) @ 50 cycles/min @ 70 psi
Weight	
Polypropylene version	92 lb (42 kg)
PVDF version	119 lb (54 kg)

* Delivery per cycle depends on the diaphragms material, air inlet pressure and fluid viscosity.

2" (51 mm) NON-METALLIC PUMPS: DIMENSIONS AND PERFORMANCE CHARTS

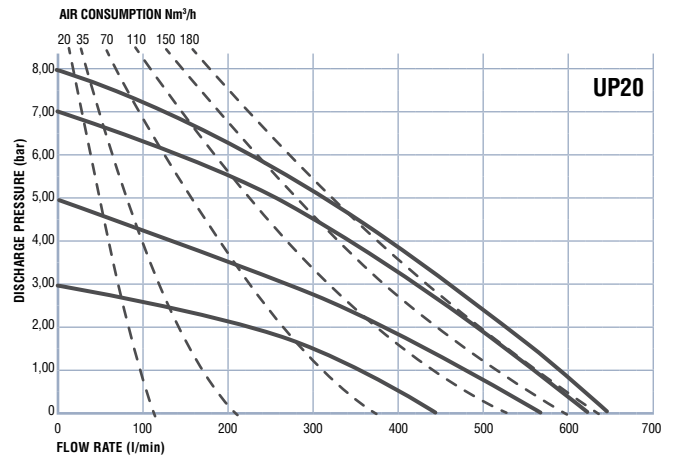
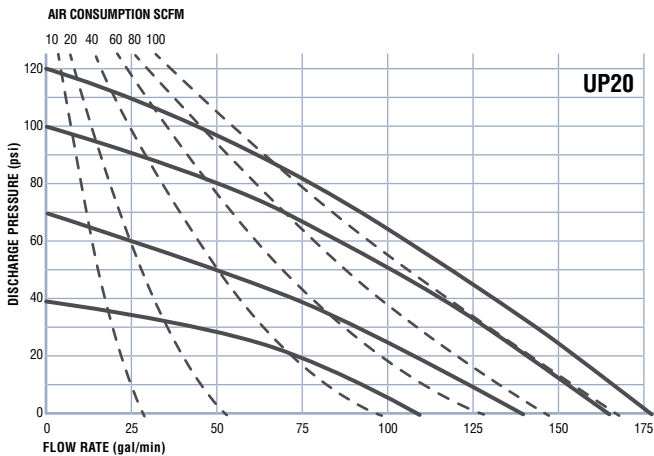
UP20 NON-METALLIC FLANGED PUMPS



VERSIONS & OPTIONS

DIMENSIONS (inches)	A	B	C	D	E	F	G	H	I	J	K	L	M	N	R	S	T
UP20 FLANGED PUMP	23 45/65	31 13/16	19 9/16	7 7/16	13 35/64	13 25/32	9 29/64	12 53/64	23/64	28 35/64	17 29/32	14 11/64	8 3/16	19/32	6 1/2	4 3/4-4 59/64	3/4

DIMENSIONS (mm)	A	B	C	D	E	F	G	H	I	J	K	L	M	N	R	S	T
UP20 FLANGED PUMP	602	808	497	189	344	350	240	326	92	725	455	360	208	15	165	120,5-125	19



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