

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 650 l/min (172 gal/min). They are available in natural or conductive polypropylene and PVDF for optimum fluid compatibility and corrosion resistance.

Lateral offset 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 picture.

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	650 l/min (172 US gal/min)
Air pressure range	1,5 to 8 bar (20 to 120 psi)
Solids in suspension, Max. size	6,4 mm (1/4")
Max dry suction lift	5m (16')
Max wet suction lift	8 m (26')
Displacement per cycle*	5,1 l (1.35 gal)
Fluid inlet/outlet ports (Flanged)	2"ANSI/DIN. Side Ends.
Air Inlet Port (Female)	3/4" BSP (F)
Air Exhaust Port (Female)	3/4" NPT (F)
Sound level	85 dB (A) @ 50 cycles/min @ 70 psi
Weight (Plastic version)	28 kg (62 lb)

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

PUMP NOMENCLATURE

Example: **UP20B-FPS-PMA**

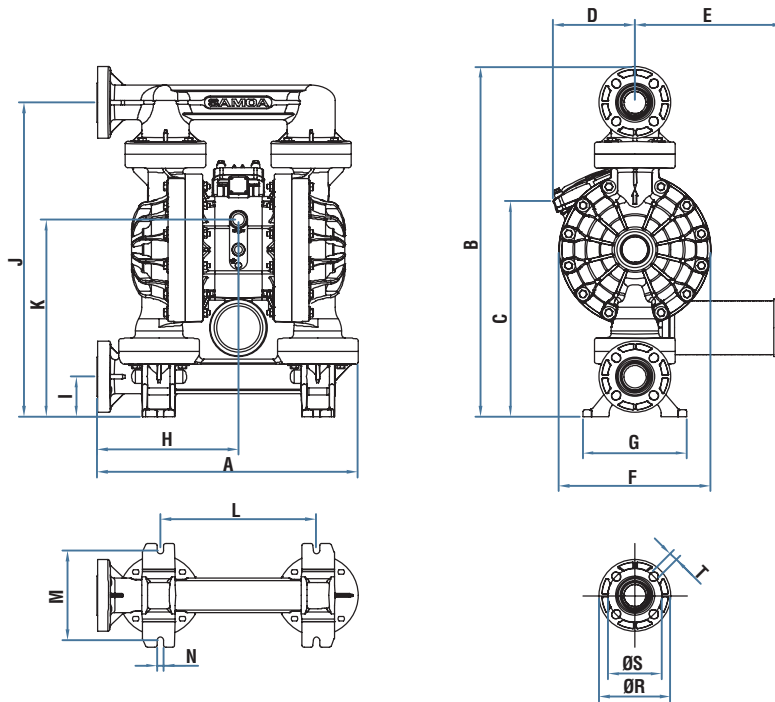
UX20X		XXX			XXX		
PUMP TYPE	AIR BODY	WETTED PATH		VALVES & DIAPHRAGMS			
1 Pump Type & Size	2 Central Body & Air Chambers	3 Fluid Ports / Location	4 Fluid Chambers & Manifolds	5 Hardware Bolts	6 Valve Seats	7 Valve Balls	8 Diaphragms Type & Material
UP20 Universal Pump (Bolted)	ATEX Certified B* = Conductive 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.

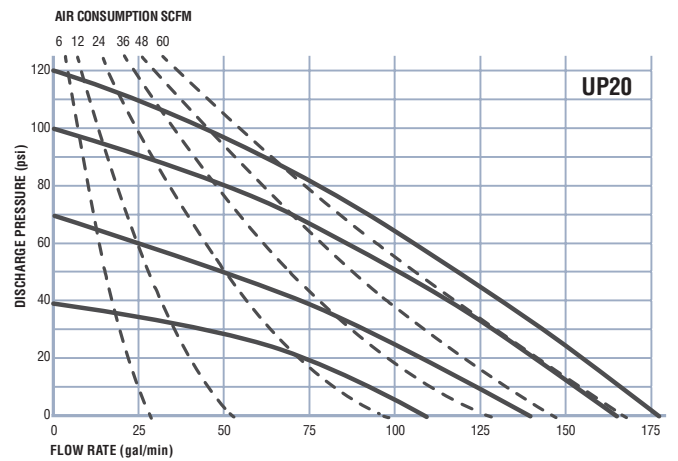
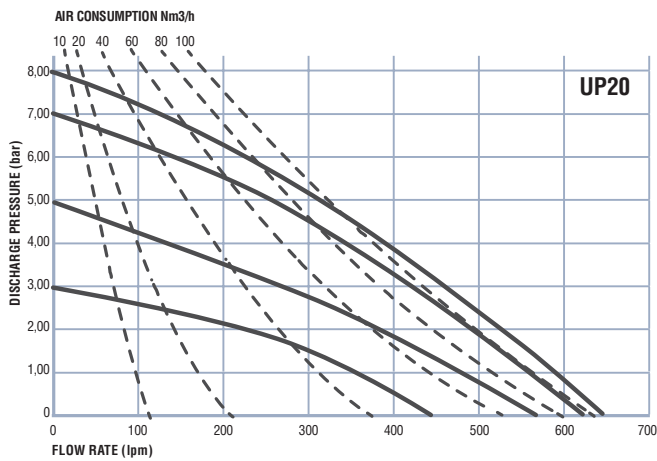
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2" (51 mm) NON-METALLIC PUMPS: DIMENSIONS AND PERFORMANCE CHARTS

UP20 NON-METALLIC FLANGED PUMPS



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
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



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