UP20 - PIVOT Series 2" Air-operated double diaphragm pump



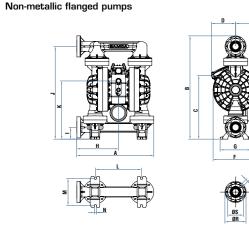
PRESSURE RATIO
MAXIMUM FREE DELIVERY
AIR PRESSURE OPERATING RANGE
MAXIMUM SIZE SOLIDS IN SUSPENSION
MAXIMUM DRY SUCTION LIFT
MAXIMUM WET SUCTION LIFT
DISPLACEMENT PER CYCLE*
FLUID INLET AND OUTLET CONNECTIONS
AIR INLET CONNECTION
AIR EXHAUST CONNECTION
SOUND LEVEL
WEIGHT

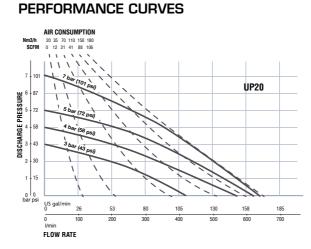
NON-METALLIC UP20 - PIVOT SERIES
1:1
650 I/min (172 US gal/min)
1,5 to 7 bar (20 to 100 psi)
6,4 mm (1/4")
5 m (16')
8 m (26')
4,5 (1.2 gal)
2" ANSI/DIN (Flange)
3/4" NPT (F)
1 1/2" NPT (F)
85 dB (A) @ 50 cycles/min @ 5 bar
42 kg (92 lb) - Polypropylene
46 kg (102 lb) - Conductive Polypropylene
54 kg (119 lb) - PVDF

UNIVERSAL DESIGN

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

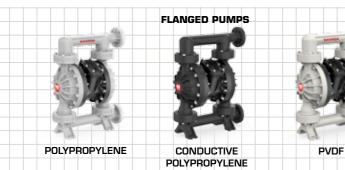






DIMENSIONS (mm)	A	В	C	D	Ε	F	G	H	I	J	K	L	М	Ν	R	S	т
UP20 FLANGED PUMP	602	808	497	189	344	350	240	326	92	725	455	360	208	15	165	120,5-125	19
DIMENSIONS (inches)	A	В	C	D	E	F	G	н	I	J	к	L	М	N	R	S	т







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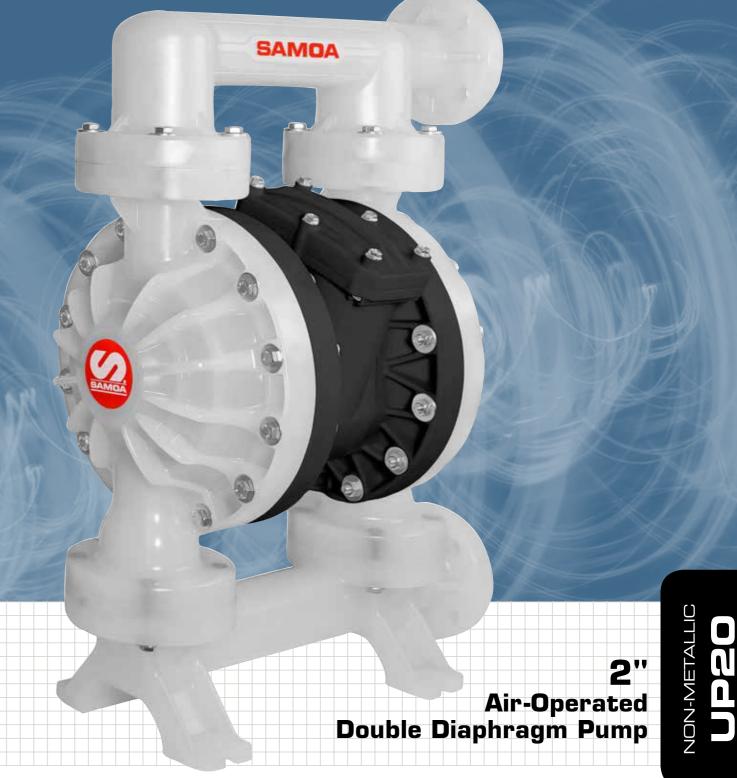
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UP20 Non-Metallic PIVOT SERIES





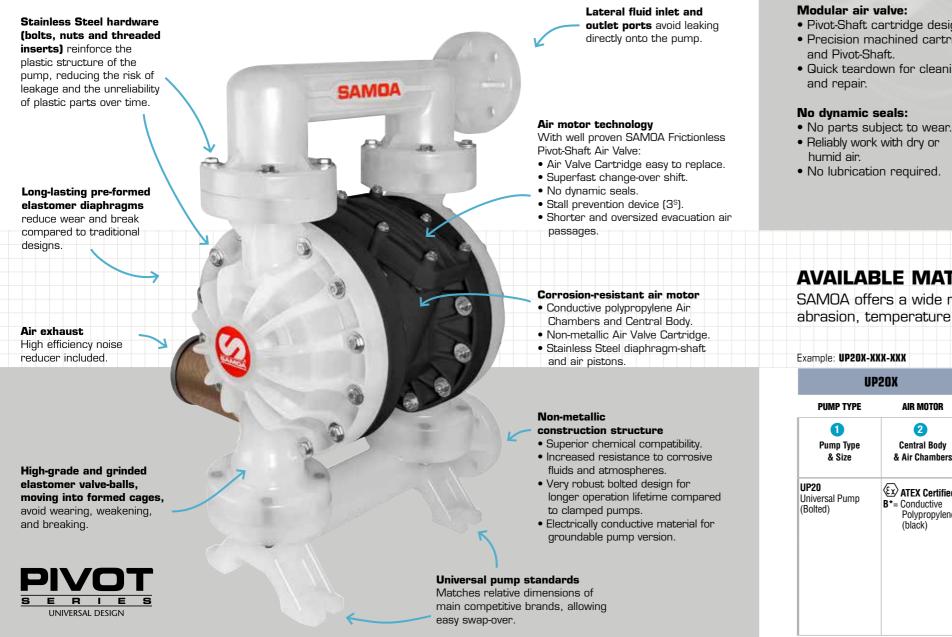
UP20 - PIVOT Series

2" Air-operated double diaphragm pump

The new SAMOA UP20 pump combines a Universal design with a unique frictionless Pivot-Shaft Air Valve to provide maximum performance and **energy efficiency**, exceeding market expectations.

UP20 Non-metallic pumps make 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 diaphragms life.
- MAXIMUM VERSATILITY. Polypropylene, Conductive Polypropylene and PVDF pumps with a wide range of diaphragms, seats and balls options offer broad fluid and application compatibility. Highly suitable for aggressive chemicals with presence of abrasives.
- EASY SERVICING. Simplified maintenance and cleaning. Components designed for long life and reliability.
- CONNECTIVITY. Can be configured to connect a Smart Pump-Controller System to actuate, control and monitor your pumps.



NO VIBRATION | PROVEN SUPERIOR PERFORMANCE | RELIABLE | DURABLE | LOWER CONSUMPTION | UNIVERSAL



Exclusive frictionless PIVOT-SHAFT Air Valve



Incredibly fast changeover shift:

- High flow delivery.
- Smooth pump operation.
- Reduced flow pulsation.
- No pump vibration.
- · Reduced air consumption.

Patented Smooth Start Shifter (3^S):

- Low-pressure start up.
- No stall operation.

Shorter and oversized evacuation air passages:

- No icing, even during long pump runs at high pressure.
- No whistle noise.

Long-life Pivot-Pads (shift and evacuation)

- Pivot-Shaft cartridge design • Precision machined cartridge
- Quick teardown for cleaning

AVAILABLE MATERIALS

SAMOA offers a wide range of material options for chemical compatibility and to withstand abrasion, temperature and fatigue caused by demanding conditions.

UP2OX			XXX		ХХХ				
PUMP TYPE	AIR MOTOR		HOUSINGS		WETTED PARTS				
1 Pump Type & Size	Central Body & Air Chambers	3 Fluid Ports / Location Multiport manifolds: central and lateral	4 Fluid Chambers & Manifolds	5 Hardware Bolts & Inserts	6 Valve Seats	7 Valve Balls	8 Diaphragms Type & Materia		
UP20 Universal Pump (Bolted)	Ex ATEX Certified B*= Conductive Polypropylene (black)	Flanged Ports / Side Ends.	P = Polypropylene (white) W = PVDF (Kynar®) (white) 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®)	$\label{eq:conventional} \begin{aligned} \textbf{A} &= Santoprene^{\textcircled{m}} \\ \textbf{A} &= Santoprene^{\textcircled{m}} \\ \textbf{C} &= Hytrel^{\textcircled{m}} \\ \textbf{G} &= Nitrile (Buna-N) \\ \textbf{V} &= FKM (Viton^{\textcircled{m}}) \\ \textbf{Two-piece} \\ \textbf{Z} &= PTFE (Teflon^{\textcircled{m}} with Santoprene backer) \\ \textbf{Overmolded} \\ \textbf{H} &= Hytrel^{\textcircled{m}} \\ \textbf{N} &= Nitrile (Buna N) \\ \textbf{T} &= PTFE / EPDM (Bonded) \end{aligned}$		

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