UP03 - PIVOT Series

3/8" Air-operated double diaphragm pump

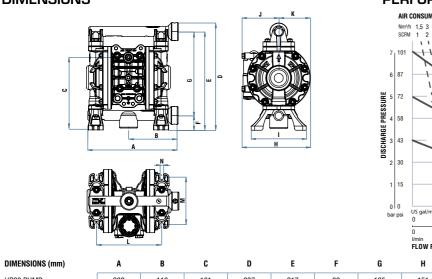


TECHNICAL DATA

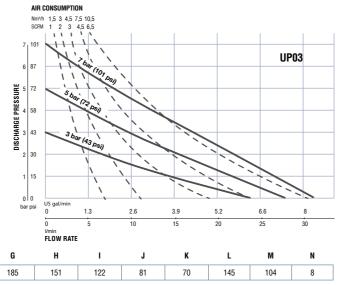
	NON-METALLIC				
PRESSURE RATIO	1:1				
MAXIMUM FREE DELIVERY	31 I/min (8.2 US gal/min)				
AIR PRESSURE OPERATING RANGE	1,5 to 7 bar (20 to 100 psi)				
MAX. SIZE SOLIDS IN SUSPENSION	1,6 mm (1/16")				
MAXIMUM DRY SUCTION LIFT	3 m (10')				
MAXIMUM WET SUCTION LIFT	7 m (23')				
DISPLACEMENT PER CYCLE*	0,08 I (0,02 gal)				
FLUID INLET AND OUTLET CONNECTIONS (MULTIPORTS)	3/8" NPT (F) Threaded / 3/8" BSP (F) Threaded				
AIR INLET CONNECTION	1/4" NPSM (F)				
AIR EXHAUST CONNECTION	1/2" NPT (F)				
SOUND LEVEL	75 dB (A) @ 50 cycles/min @ 5 bar				
WEIGHT: POLYPROPYLENE CONDUCTIVE POLYPROPYLENE PVDF CONDUCTIVE ACETAL	1,8 kg (4 lb) 2 kg (4.4 lb) 2,3 kg (5.1 lb) 2,1 kg (4.6 lb)				

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

DIMENSIONS



PERFORMANCE CURVES

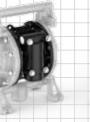


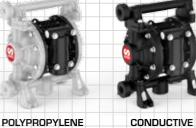
A	В	C	D	E	F	G	Н	I	J	K	L	M	N
202	110	161	237	217	32	185	151	122	81	70	145	104	8
			_	_	_					.,			
А	В	Ü	D	E	r	G	Н	1	J	K	L	M	N

UP03 PUMP

DIMENSIONS (inches) UP03 PUMP















Visit: www.samoaindustrial.com for more information.

SAMOA INDUSTRIAL, S.A. - PROCESS DIVISION

SAMOA

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CONTACT US TODAY!



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UP03 Non-Metallic PIVOT SERIES



3/8"
Air-Operated
Double Diaphragm Pump







UP03 - PIVOT Series

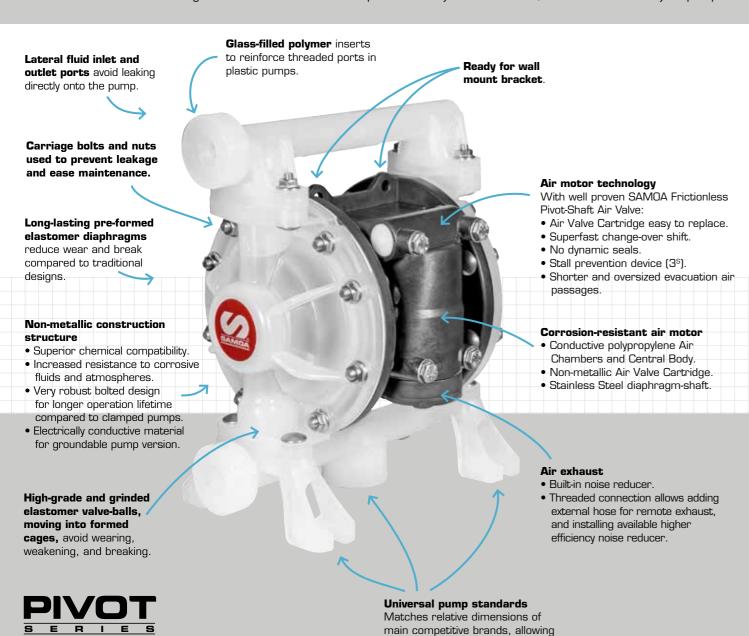
3/8" Air-operated double diaphragm pump



The new SAMOA UPO3 pump combines a Universal design with a unique frictionless Pivot-Shaft Air Valve to provide maximum performance and **energy efficiency**, exceeding market expectations.

UPO3 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, PVDF and Conductive Acetal 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. The pump is held together by carriage bolts and nuts allowing to accomplish a much faster tear down and rebuild.
- ULTRA-COMPACT DESIGN. Ready to meet any OEM application needs. Perfect for spraying and small dispensing applications.
- CONNECTIVITY. Can be configured to connect a Smart Pump-Controller System to actuate, control and monitor your pumps.



Exclusive frictionless PIVOT-SHAFT Air Valve

odented ®

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)

Modular air valve:

- Pivot-Shaft cartridge design
- Precision machined cartridge and Pivot-Shaft.
- · Quick teardown for cleaning and repair.

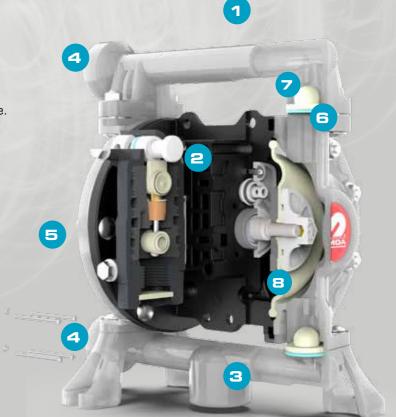
No dynamic seals:

- No parts subject to wear.
- Reliably work with dry or humid air.
- No lubrication required.





SAMOA



AVAILABLE MATERIALS

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

Example: UP03X-XXX-XXX

UPO3X PUMP TYPE AIR MOTOR			XXX		XXX WETTED PARTS			
			HOUSINGS					
Pump Type & Size	Central Body & Air Chambers	3 Fluid Ports / Location Multiport manifolds: central and lateral	Fluid Chambers & Manifolds	Hardware Bolts & Inserts	6 Valve Seats	7 Valve Balls	8 Diaphragms Type & Material	
UP03 Universal Pump (Bolted)	ATEX Certified B* = Conductive Polypropylene (black)	B = 3/8" BSP threaded ports N = 3/8" NPT threaded ports	(white)	S = Stainless Steel	C = Acetal P = Polypropylene T = PTFE (Teflon®)	C = Acetal T = PTFE (Teflon®)	A = Santoprene® C = Hytrel® G = Nitrile (Buna-N) Two piece Z = PTFE (Teflon with Santoprene® backer)	

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

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easy swap-over.