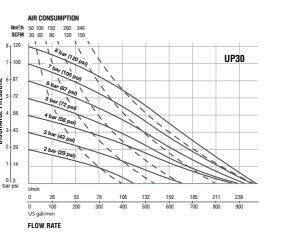
UP30 - PIVOT Series



METALLIC UP30 - PIVOT SERIES

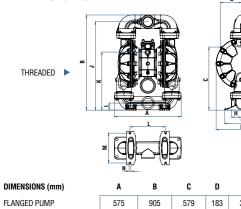
TECHNICAL DATA

	WETALLIG OFJU - FIVOT SERIES					
PRESSURE RATIO	1:1					
MAXIMUM FREE DELIVERY	1.000 l/min (264 US gal/min)					
AIR PRESSURE OPERATING RANGE	1,5 to 8 bar (20 to 120 psi)					
MAX. SIZE SOLIDS IN SUSPENSION	12,7 mm (1/2")					
MAXIMUM DRY SUCTION LIFT	6 m (19.7')					
MAXIMUM WET SUCTION LIFT	8 m (26.3')					
DISPLACEMENT PER CYCLE*	10,2 (2.6 gal)					
FLUID INLET AND OUTLET CONNECTIONS	3° NPT (F) - Threaded 3° BSP (F) - Threaded 3° ANSI/DIN - Flange					
AIR INLET CONNECTION	3/4" NPT (F)					
AIR EXHAUST CONNECTION	1 1/2" NPT (F)					
SOUND LEVEL	83 dB (A) @ 50 cycles/min @ 5 bar					
WEIGHT: ALUMINIUM (Central body AL) STAINLESS STEEL (Central body AL)	Threaded Flanged 68 kg (150 lb) 71 kg (156.5 lb) 120 kg (265 lb) 125 kg (276 lb)					



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





DIMENSIONS (inches FLANGED PUMP THREADED PUMP

THREADED PUMF

FLANGED

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	A	В	C	D	E	F	G	н	I	J	K	L	М	Ν		R	S1(DIN)	S2(ANSI)	T1(DIN)	T2(ANSI)
	575	905	579	183	353	436	290	140	105	805	536	307	257	15	2	200	160	152,4	21	21
	575	820	543	183	353	436	290	87	61	761	500	307	257	15		-	-	-	-	-
	A	В	C	D	E	F	G	н	I	J	к	L	М	N		R	S1(DIN)	S2(ANSI)	T1(DIN)	T2(ANSI)
	A 22.64	B 35.63	C 22.80	D 7.21	E 13.90	F 17.17	G 11.42	H 5.51	I 4.13	J 31.69	К 21.10	L 12.09	M 10.12	N 0.59	7	R 7.87	S1(DIN) 6.30	S2(ANSI) 6	T1(DIN) 0.83	T2(ANSI) 0.83

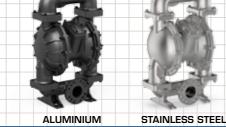


THREADED PUMPS FLANGED PUMPS ALUMINIUM STAINLESS STEEL



SAMOA INDUSTRIAL, S.A. - PROCESS DIVISION

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SA MOV



UP30 Metallic **PIVOT SERIES**







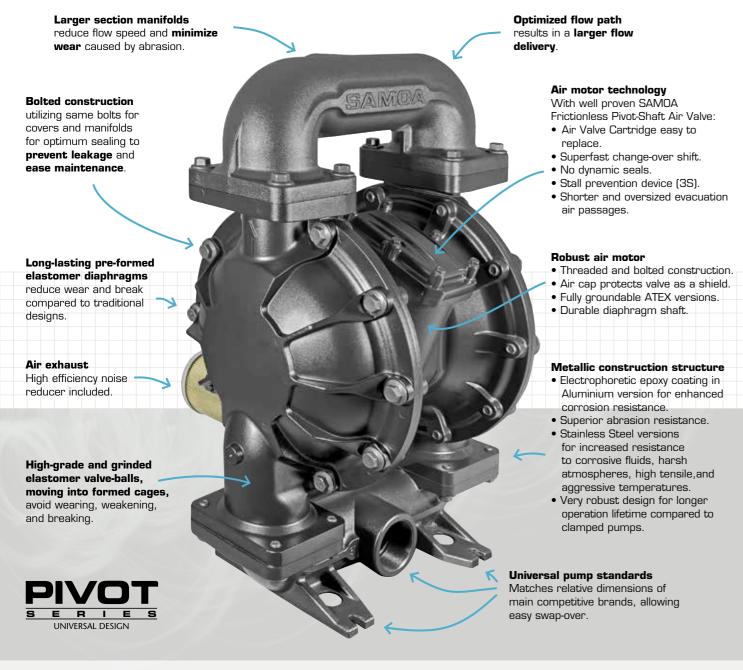
UP30 - PIVOT Series

3" Air-operated double diaphragm pump

The new SAMOA UP30 pump combines a Universal design with a unique frictionless Pivot-Shaft Air Valve to provide maximum performance and **energy efficiency**, exceeding market expectations.

UP30 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. Threaded or flanged Aluminium and Stainless Steel pumps with a wide range of diaphragms, seats and balls options offer broad fluid and application compatibility. Highly suitable for outdoors and general applications 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)

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.

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: UP30X-XXX-XXX

U	P3OX		ХХХ		ХХХ			
PUMP TYPE	AIR MOTOR		HOUSINGS		WETTED PARTS			
1 Pump Type & Size	2 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 & Material	
UP30 Universal Pump (Bolted)	EX ATEX Certified A*= Aluminium	 B = 3" BSP Threaded Ports / Centre Horizontal C = 3" ANSI/DIN Flanged Ports / Centre Horizontal NPTF Threaded Ports / Centre Horizontal 	(E) ATEX Certified A*= Aluminium S*= Stainless Steel	C = Carbon Steel S = Stainless Steel	A = Aluminium D = AISI 440 Hardened Stainless Steel H = Hytrel [∞] M = Santoprene [∞] N = Nitrile (Buna-N) S = AISI 316 Stainless Steel		Conventional A = Santoprene® C = Hytrel® G = Nitrile (Buna-N) V = FKM (Viton®) Two-piece Z = PTFE (Teflon® with Santoprene backet	

ATEX Certified pumps for use in hazardous locations ATEX Group II 2GDx. Hytrel® is a registered trademark of the DuPont Company, Viton® & Teflon® of the Chemours Company and Santoprene® of the Monsanto Company, licensed for Advanced Elastomer Systems, L.P. Kynar[®] is a registered trademark of Arkema, Inc.



