

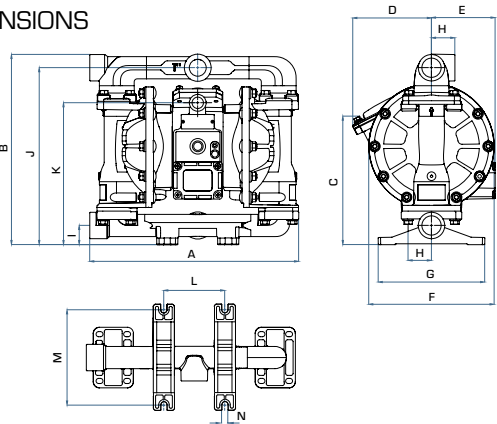
UP10 - PIVOT Series
1" Air-operated double diaphragm pump



TECHNICAL DATA	METALLIC
PRESSURE RATIO	1:1
MAXIMUM FREE DELIVERY	53 US gal/min (200 l/min)
AIR PRESSURE OPERATING RANGE	20 to 120 psi (1,5 to 8 bar)
MAX. SIZE SOLIDS IN SUSPENSION	1/4" (6,4 mm)
MAXIMUM DRY SUCTION LIFT	16' (5 m)
MAXIMUM WET SUCTION LIFT	26' (8 m)
DISPLACEMENT PER CYCLE*	0.2 gal (0,85 l)
FLUID INLET AND OUTLET CONNECTIONS (MULTI-PORTS)	1" NPT (F) - Threaded
AIR INLET CONNECTION	1/2" NPSM (F)
AIR EXHAUST CONNECTION	1" NPT (F)
SOUND LEVEL	75 dB (A) @ 50 cycles/min @ 72 psi
WEIGHT: ALUMINUM	25 lb (11,5 kg)

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

DIMENSIONS



DIMENSIONS (inches)

UP10 ALUMINUM PUMP

A	B	C	D	E	F	G	H	I	J	K	L	M	N
13.70	12.48	8.43	5.16	4.17	8.23	6.97	1.54	1.26	11.61	9.33	4.02	6.26	0.39

DIMENSIONS (mm)

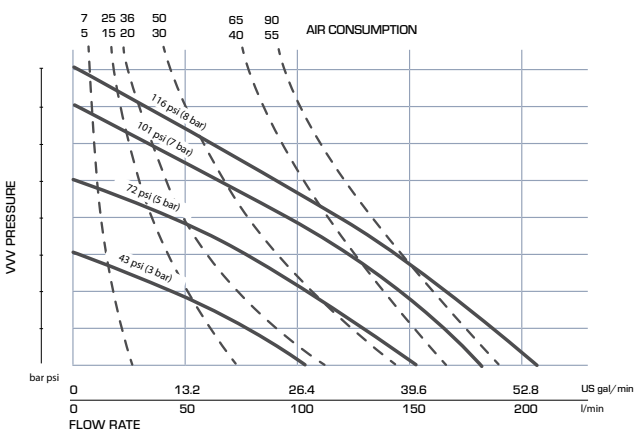
UP10 ALUMINUM PUMP

A	B	C	D	E	F	G	H	I	J	K	L	M	N
348	317	214	131	106	209	177	39	32	295	237	102	159	10



ALUMINUM

PERFORMANCE CURVES



UP10 Metallic
PIVOT SERIES



1"
Air-Operated
Double Diaphragm Pump



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UP10 - PIVOT Series

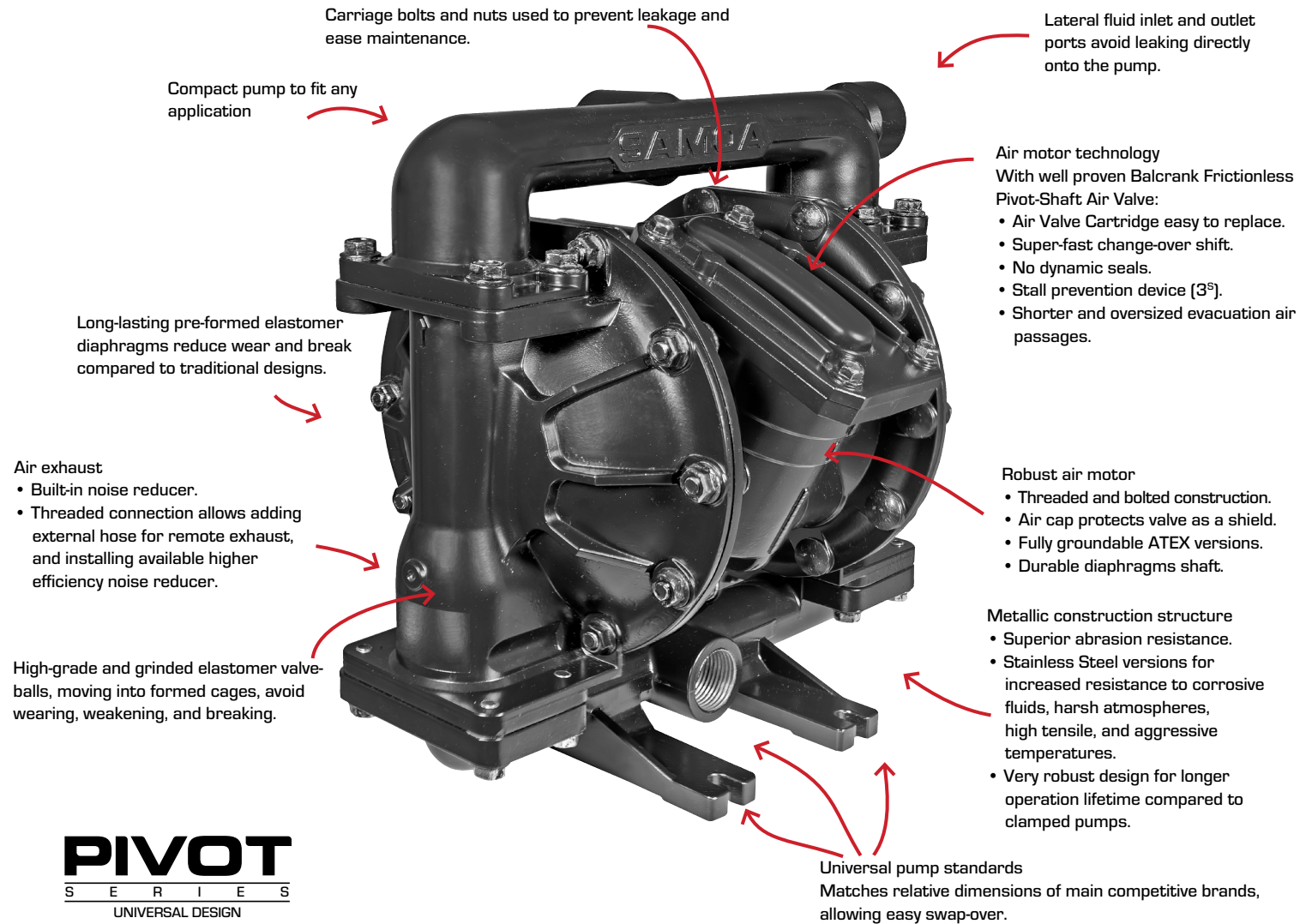
1" Air-operated double diaphragm pump

The new Balcrank UP10 pump combines a Universal design with a unique frictionless Pivot-Shaft Air Valve to provide maximum performance and energy efficiency.

UP10 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.
- **EASY SERVICING.** Simplified maintenance and cleaning. The pump is held together by using one size of carriage bolt and nut allowing a much faster tear-down and rebuild.
- **COMPACT DESIGN.**
- **CONNECTIVITY.** Can be configured to connect a Smart Pump-Controller System to actuate, control and monitor your pumps.

53 gal/min
200 l/min



Exclusive frictionless PIVOT-SHAFT Air Valve

Patented*



Incredibly fast changeover shift:

- High flow delivery.
- Smooth pump operation.
- Reduced flow pulsation.
- Reduced 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 tear-down for cleaning and repair.

No dynamic seals:


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



AVAILABLE MODEL

1120-044 1" Diaphragm Pump UP10A-NAC-HHC

PUMP TYPE		AIR MOTOR	HOUSINGS			WETTED PARTS		
1	2	3	4	5	6	7	8	
Pump Type & Size	Central Body & Air Chambers	Fluid Ports / Location Multiport manifolds: central and lateral	Fluid Chambers & Manifolds	Hardware Bolts & Inserts	Valve Seats	Valve Balls	Diaphragms Type & Material	
UP10 Universal Pump (Bolted)	A * = Aluminum	N = 1" NPT threaded ports	A * = Aluminum	C = Carbon Steel	H = Hytrel®	H = Hytrel®	C = Hytrel®	

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

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REDUCED VIBRATION | PROVEN SUPERIOR PERFORMANCE | RELIABLE | DURABLE | LOWER CONSUMPTION | UNIVERSAL