SAMSON
LEADING THROUGH INNOVATION

UP10 - 1" PORTED
DIAPHRAGM PUMP

- Frictionless pivoting air valves
- Bolted cover design
- Long life diaphragms
- Conventional flow design combined with unique pivoting air valve, fast action air valve for increased delivery and reliable performance.
- For large volume transfer, de-watering and fluid evacuation
- Aluminum has multiple inlet/outlet port options
- Polypropylene has lateral threaded ports

TECHNICAL SPECIFICATIONS

	UP10 Aluminum	UP10 Polypropylene
Pump ratio	1:1	1:1
Maximum free delivery	53 gal/min (200 l/min)	53 gal/min (200 l/min)
Maximum Dry suction lift	16' (5 m)	16' (5 m)
Maximum Wet suction lift	26' (8 m)	26' (8 m)
Minimum air pressure	20 psi (1.5 bar)	20 psi (1.5 bar)
Maximum air pressure	120 psi (8 bar)	120 psi (8 bar)
Max size solid suspension	1/4" (6.4 mm)	1/4" (6.4 mm)
Air inlet	1/2" NPT(F)	1/2" NPT(F)
Fluid outlet	1" NPT(F)	1" NPT(F)
Wetted materials	H=Hytrel / C=Hytrel	P= Polypropylene / M= Santoprene / A= Santoprene
Manual	855873	855880

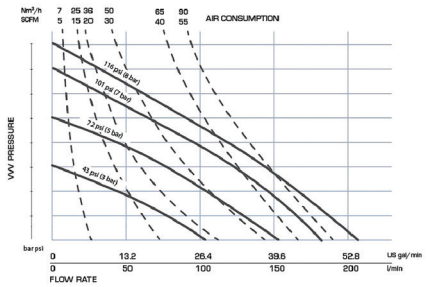
MARKETS SERVED

- Industrial
- Mining and construction
- Railroad and mass transit
- Agricultural
- Automotive Car Dealers
- Fleets
- Lube Trucks

FLUIDS HANDLED

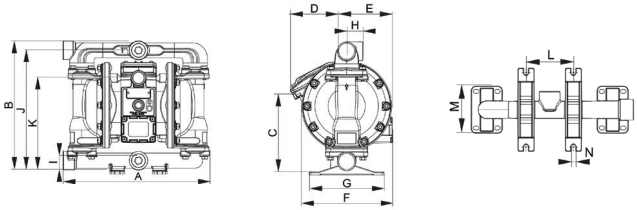
Polypropylene
- Antifreeze and antifreeze solutions
- Windshield Wash Fluid

Aluminum
- Lubricants
- Used oil
- Used fluid
- Diesel



ORDER INFORMATION

AIR MOTOR	HOUSINGS			WETTED PARTS		
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
555051 - 1" Diaphragm Pump (UP10A-NAC-HHC)						
A= Aluminum	N= NPT threaded ports	A= Aluminum	C=Carbon Steel	H=Hytrel	H=Hytrel	C=Hytrel
555181 - 1" Diaphragm Pump (UP10B-TPS-PMA)						
B= Polypropylene	T= NPT threaded ports-lateral	P= Polypropylene	S= Stainless Steel	P= Polypropylene	M= Santoprene	A= Santoprene



Dimensions inches (MM)

A	B	C	D	E	F	G
13.70 (348 MM)	12.48 (317 MM)	8.43 (214 MM)	5.16 (131 MM)	4.17 (106 MM)	8.23 (209 MM)	6.97 (177 MM)
H	I	J	K	L	M	N
1.54 (39 MM)	1.26 (32 MM)	11.61 (295 MM)	9.33 (237 MM)	4.02 (102 MM)	6.26 (159 MM)	0.39 (10 MM)

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