

1" Aluminum Double Diaphragm Pump

Model No. DM-55DDP/AL1 • SPECIFICATIONS



DRUM-MATES® efficient, industrial duty, double diaphragm aluminum pump provides transfer of thin, medium or heavy thickness, flowable liquids. It is a self-priming pump that offers the Elima-Matic air valve system for non-stalling, lube-free performance. It has a flow rate up to 35 Gpm, is UL listed and suitable for transferring any water based or flammable liquids compatible with aluminum and your selected internals: Buna-N, Neoprene, EPDM, Teflon, Santoprene or Viton. The pump can be made explosion proof with the DM-166GWK grounding cable kit. This pump is also available in 316 stainless, Hastelloy C, PVDF (Kynar), Polypropylene or Acetal, with a choice of ½", 1", 1.5" or 2" discharge ports.

Optional Accessories Include

- > Drum or tank transfer pick-up tube
- > DM-166GWK explosion-proof kit
- > Liquid dispensing hose
- > Hand dispensing nozzles (AL, 316SS, PP, Acetyl)



Specifications

Choose from the pumps below to display the corresponding specifications.

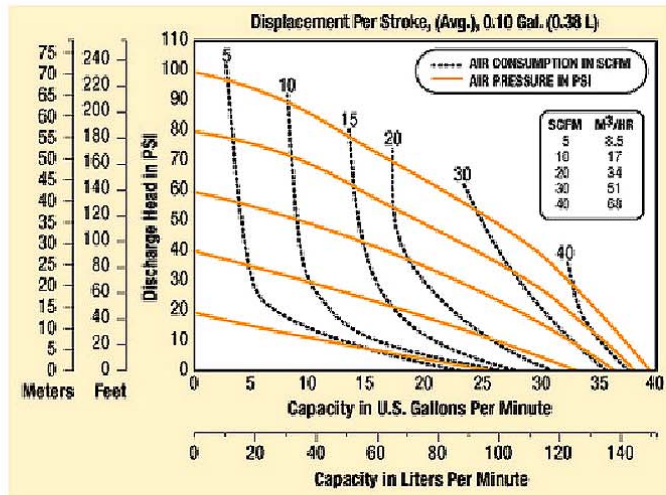
Bolted Metallic

	English	Metric
Flow Rate		
adjustable to	0-35 gpm	0-132 lpm
Port Size		
Inlet	1.0" Female NPT (BSP)	
Discharge	1.0" Female NPT (BSP)	
Air Inlet	0.375" NPTF	
Air Exhaust	0.50" NPT	
Suction Lift		
15' Dry/25' Wet (4.57m/7.62m)		
Teflon®: 10' Dry/20' Wet (3.05m/6.10m)		
Max. Particle Size		
(Diameter)	0.125"	3.17mm
Shipping Weight		
Aluminum	31 lbs	14.07 kg
Stainless	42 lbs	19.05 kg
Hastelloy C	42 lbs	19.05 kg

Performance Chart

Bolted Metallic

Determined by actual flow meter tests.



Note: For E1 pumps fitted with Teflon® diaphragms, reduce water discharge figures by 20%. Suction lift is reduced to 10' (3.05m) dry and 20' (6.10m) wet.

Caution: Do not exceed 125 psig (8.5 bars) air supply or liquid pressure.

UL Listed Models Available

WARNING: Explosion proofing permitted when installed by a trained electrical engineer or professional to NFPA Code #77.
CAUTION: Do not exceed 125 Psig (8.5 bars) air supply or liquid pressure. For maximum performance use a filter-regulator.