

PUMP SPECIFICATIONS

PORT SIZE

- 1 1/2" BSP Female
- 1 1/2" NPT Female

MAX FREE FLOW ON WATER AT 20°C/68°F

- 405 LPM / 107 USGPM
- (on some models 20% reduction should PTFE Diaphragms be fitted)

VOLUME DISPLACEMENT PER FULL CYCLE

- 3.1 Litres / 0.82 US Gallons

VOLUME PER STROKE (HALF CYCLE)

- 1.55 Litres / 0.41 US Gallons

MAX WORKING PRESSURE @ 20°C/68°F

- 6.8 Barg / 100 Psig

PUMP BODY MIN/MAX WORKING TEMP

- Aluminium - 4-107°C / 40-225°F
- 316 St Steel - 4-107°C / 40-225°F
- Cast Iron - 4-107°C / 40-225°F

MAX PUMPABLE PARTICLE SIZE

- 6.4mm / 1/4" in diameter

MAX DRY SUCTION LIFT ON WATER

- 4.6 metres / 14 feet (Rubber Balls)

MAX WET SUCTION LIFT ON WATER

- 7.6 metres / 23 feet (Rubber Balls)

MAX AIR CONSUMPTION

- 50 scfm / 85m³/hr

AIR INLET PORT SIZE

- 3/4" NPT female

AIR OUTLET PORT SIZE / MUFFLER

- 1" NPT female

MAX SOUND POWER LEVEL (DBA - ISO 9614-2)

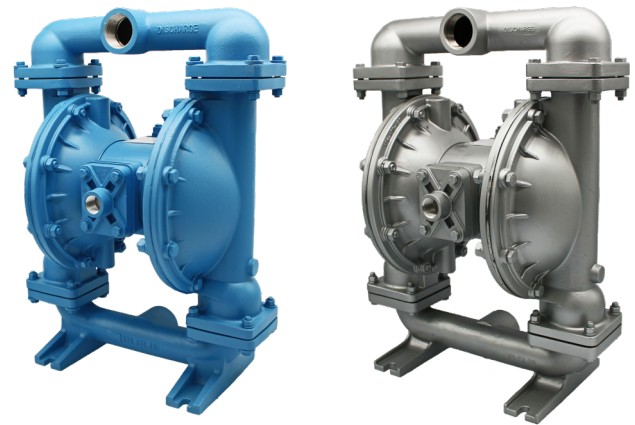
- 100 dBA
- (at max air inlet pressure - will reduce with air pressure)

BODY MATERIALS AVAILABLE AND WEIGHT

- Aluminium - 27.4 kg
- 316 St Steel - 47 kg
- Cast Iron - 48 kg

DIAPHRAGM & CHECK VALVE MATERIALS AVAILABLE

- Neoprene
- EPDM
- Santoprene
- Nitrile
- PTFE
- FKM
- Stainless Steel
- UHMW
- Hytrel
- Aluminium

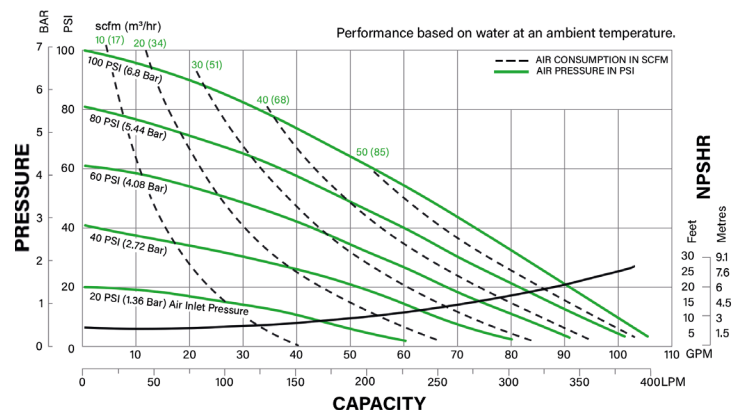


Aluminium & Cast Iron

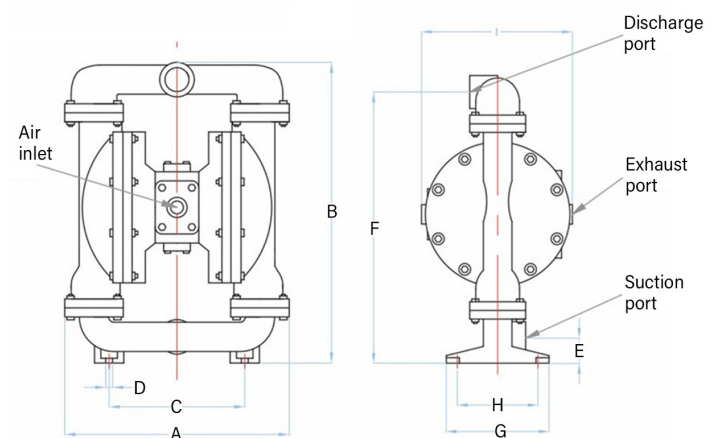
Stainless Steel

PERFORMANCE CURVE

Pump tested in water with inlet submerged



GA DRAWINGS



Port Size	Air Inlet Size	Exhaust Port Size	A	B	C	D	E	F	G	H	I	
			mm	mm	mm	mm	mm	mm	mm	mm	standard muffler (mm)	metal muffler (mm)
1 1/2" NPT/BSP	3/4" NPT	1" NPT	423	559	251	13	54	526	203	178	314	368