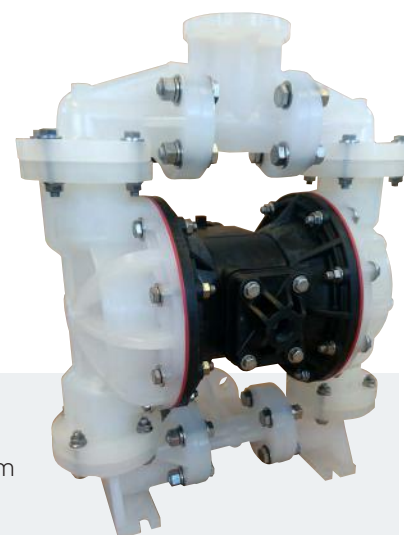


Empire Pump's extensive range of Air Operated Diaphragm Pumps are specifically designed for durability, performance and reliability. The product is manufactured for use with many industries including chemical, pharmaceutical, waste water, effluent treatment, metal finishing and many more. The pumps robust construction gives the ability to transfer abrasive and highly viscous solutions. Our Air Operated Diaphragm range of pumps vary in size from ¼" to 3" achieving flow rate capabilities up to 1000 l/min. Equipment materials of construction are available in polypropylene, PVDF, aluminium and stainless steel.

Our range of Air Operated Diaphragm Pumps offer technical benefits when considering the corrosive nature of the chemistries being transferred. The air valve and centre section of the pump is plastic opposed to aluminium. Non-metallic constructed parts are more corrosive resistant should chemicals reach the centre section of the pump.

Furthermore, our pump design utilises bolts opposed to band clamps, ensuing more support to the full surface area of the diaphragms whilst the pump is in operation. The bolted design also provides easier maintenance on strip down and assembly of the pump.

Our pump design offers a centre positioned inlet and outlet port, this gives equal flow through each side of the pump. This design feature enables our pump range to achieve 15 to 20% increased flow rate for the equivalent pump size of an alternative manufacturer.



FEATURES AND BENEFITS

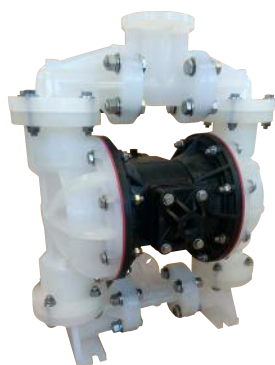
- Materials of construction: polypropylene, PVDF, stainless steel, aluminium
- Pump sizes: ¼", ½", 1", 1½", 2" & 3"
- Elastomer, diaphragm materials: Nitrile, EPDM, Viton, Teflon
- Bolted construction offering positive liquid seal and increased operating pressures
- Non-stalling and lube free air valve assembly
- Non-metallic, corrosion resistant air valve assembly
- Self-priming
- Conductive plastic models available
- ATEX certified pumps for transfer of flammable solutions
- Run dry capability
- Non-stalling pump
- Suitable for high viscosity and high specific gravity applications
- Multiple porting options

PLASTIC PUMPS

		Model number					
		1/4"	1/2"	1"	1 1/2"	2"	3"
		Flow rates up to					
Housing material	Elastomers	15 l/min	52 l/min	200 l/min	378 l/min	600 l/min	900 l/min
Polypropylene	Nitrile	EPA025PPN	EPA05PPN	EPA1PPN	EPA15PPN	EPA2PPN	EPA3PPN
Polypropylene	Santoprene	EPA025PPE	EPA05PPE	EPA1PPE	EPA15PPE	EPA2PPE	EPA3PPE
Polypropylene	Viton	EPA025PPV	EPA05PPV	EPA1PPV	EPA15PPV	EPA2PPV	EPA3PPV
Polypropylene	PTFE	EPA025PPT	EPA05PPT	EPA1PPT	EPA15PPT	EPA2PPT	EPA3PPT
PVDF	Nitrile	EPA025KN	EPA05KN	EPA1KN	EPA15KN	EPA2KN	EPA3KN
PVDF	Santoprene	EPA025KE	EPA05KE	EPA1KE	EPA15KE	EPA2KE	EPA3KE
PVDF	Viton	EPA025KV	EPA05KV	EPA1KV	EPA15KV	EPA2KV	EPA3KV
PVDF	PTFE	EPA025KT	EPA05KT	EPA1KT	EPA15KT	EPA2KT	EPA3KT

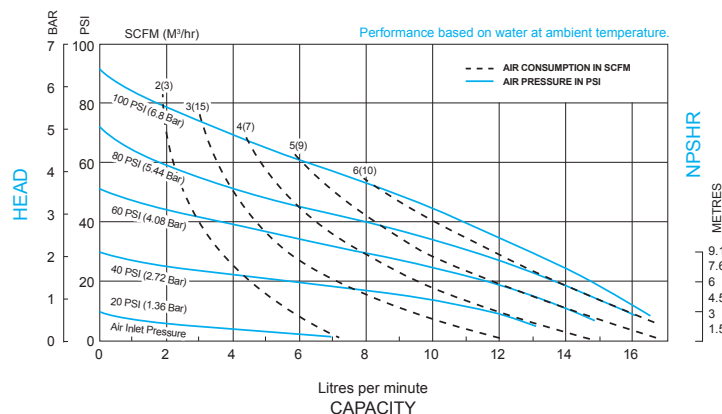
METALLIC PUMPS

		Model number					
		1/4"	1/2"	1"	1 1/2"	2"	3"
		Flow rates up to					
Housing material	Elastomers	18 l/min	56 l/min	170 l/min	400 l/min	560 l/min	890 l/min
Stainless Steel	Nitrile	EPA025SSN	EPA05SSN	EPA1SSN	EPA15SSN	EPA2SSN	EPA3SSN
Stainless Steel	Santoprene	EPA025SSE	EPA05SSE	EPA1SSE	EPA15SSE	EPA2SSE	EPA3SSE
Stainless Steel	Viton	EPA025SSV	EPA05SSV	EPA1SSV	EPA15SSV	EPA2SSV	EPA3SSV
Stainless Steel	PTFE	EPA025SST	EPA05SST	EPA1SST	EPA15SST	EPA2SST	EPA3SST
Aluminium	Nitrile	EPA025AN	EPA05AN	EPA1AN	EPA15AN	EPA2AN	EPA3AN
Aluminium	Santoprene	EPA025AE	EPA05AE	EPA1AE	EPA15AE	EPA2AE	EPA3AE
Aluminium	Viton	EPA025AV	EPA05AV	EPA1AV	EPA15AV	EPA2AV	EPA3AV
Aluminium	PTFE	EPA025AT	EPA05AT	EPA1AT	EPA15AT	EPA2AT	EPA3AT



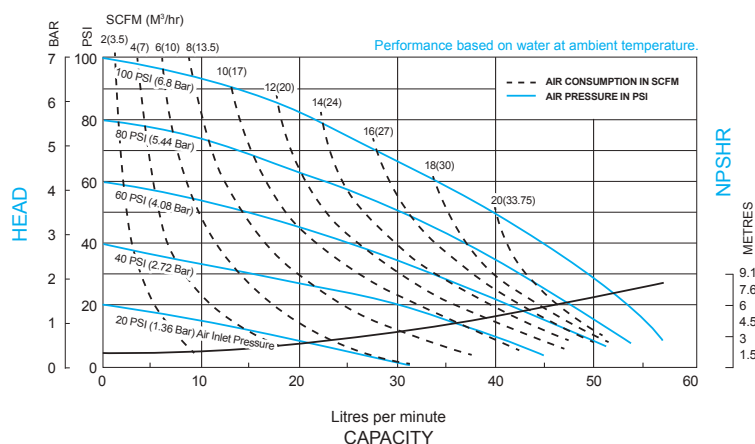
1/4" MODELS

Port Size: 1/4" FBSP
Air Inlet Size: 1/4" FNPT
Capacity: 0 to 18 lpm
Air Distribution Valve: No-lube, no-stall design
Solids-Handling: Up to 1 mm
Heads Up To: 125 psi / 8.6 bar of water
Max Operating Pressure: 125 psi / 8.6 bar



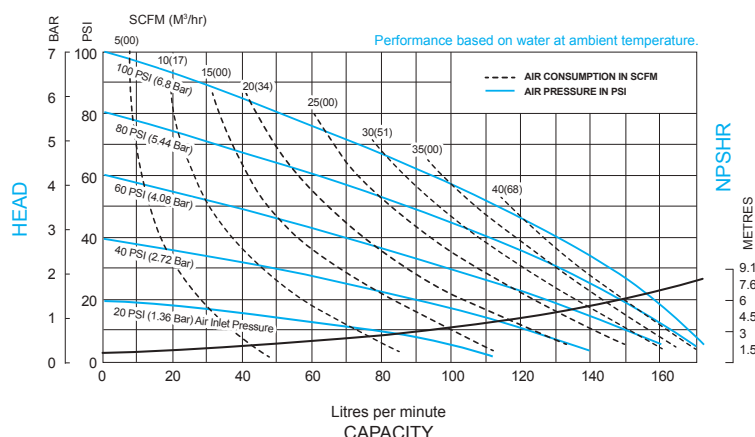
1/2" MODELS

Port Size: 1/2" FBSP
Air Inlet Size: 1/4" FNPT
Capacity: 0 to 56 lpm
Air Distribution Valve: No-lube, no-stall design
Solids-Handling: Up to 3 mm
Heads Up To: 125 psi / 8.6 bar of water
Max Operating Pressure: 125 psi / 8.6 bar



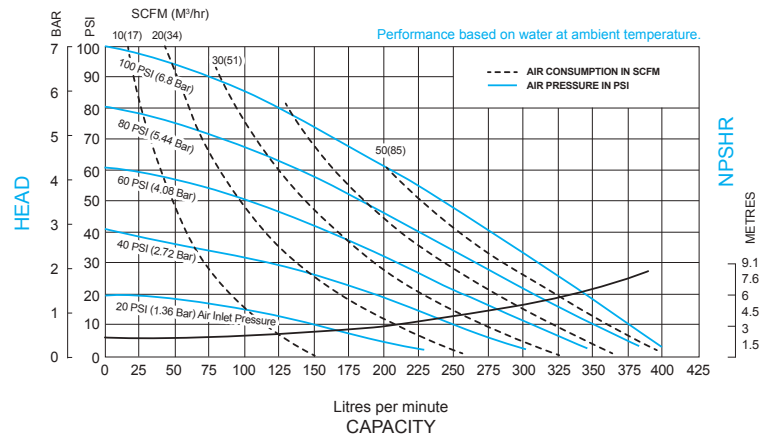
1" MODELS

Port Size: Metallic 1" FBSP. Plastic 1" Flange
Air Inlet Size: 1/2" FNPT
Capacity: 0 to 170 lpm
Air Distribution Valve: No-lube, no-stall design
Solids-Handling: Up to 6 mm
Heads Up To: 125 psi / 8.6 bar of water
Max Operating Pressure: 125 psi / 8.6 bar



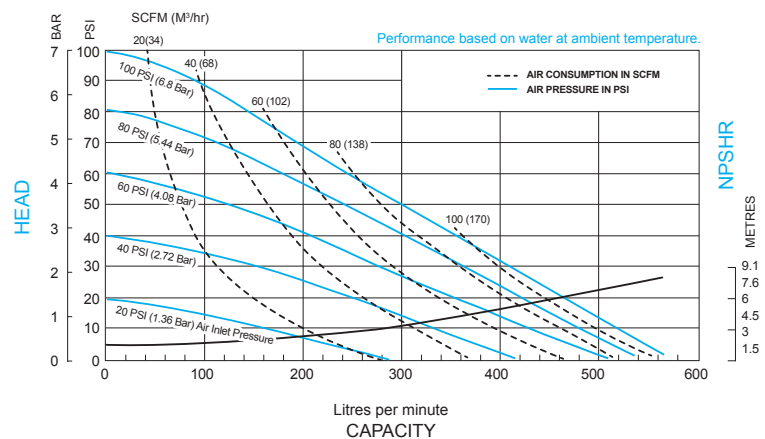
1½" MODELS

Port Size: Metallic 1½" FBSP. Plastic 1½" Flange
Air Inlet Size: ¾" FNPT
Capacity: 0 to 400 lpm
Air Distribution Valve: No-lube, no-stall design
Solids-Handling: Up to 6 mm
Heads Up To: 125 psi / 8.6 bar of water
Max Operating Pressure: 125 psi / 8.6 bar



2" MODELS

Port Size: Metallic 2" FBSP. Plastic 2" Flange
Air Inlet Size: ¾" FNPT
Capacity: 0 to 560 lpm
Air Distribution Valve: No-lube, no-stall design
Solids-Handling: Up to 6 mm
Heads Up To: 125 psi / 8.6 bar of water
Max Operating Pressure: 125 psi / 8.6 bar



3" MODELS

Port Size: Metallic 3" FBSP. Plastic 3" Flange
Air Inlet Size: ¾" FNPT
Capacity: 0 to 900 lpm
Air Distribution Valve: No-lube, no-stall design
Solids-Handling: Up to 9.65 mm
Heads Up To: 125 psi / 8.6 bar of water
Max Operating Pressure: 125 psi / 8.6 bar

