

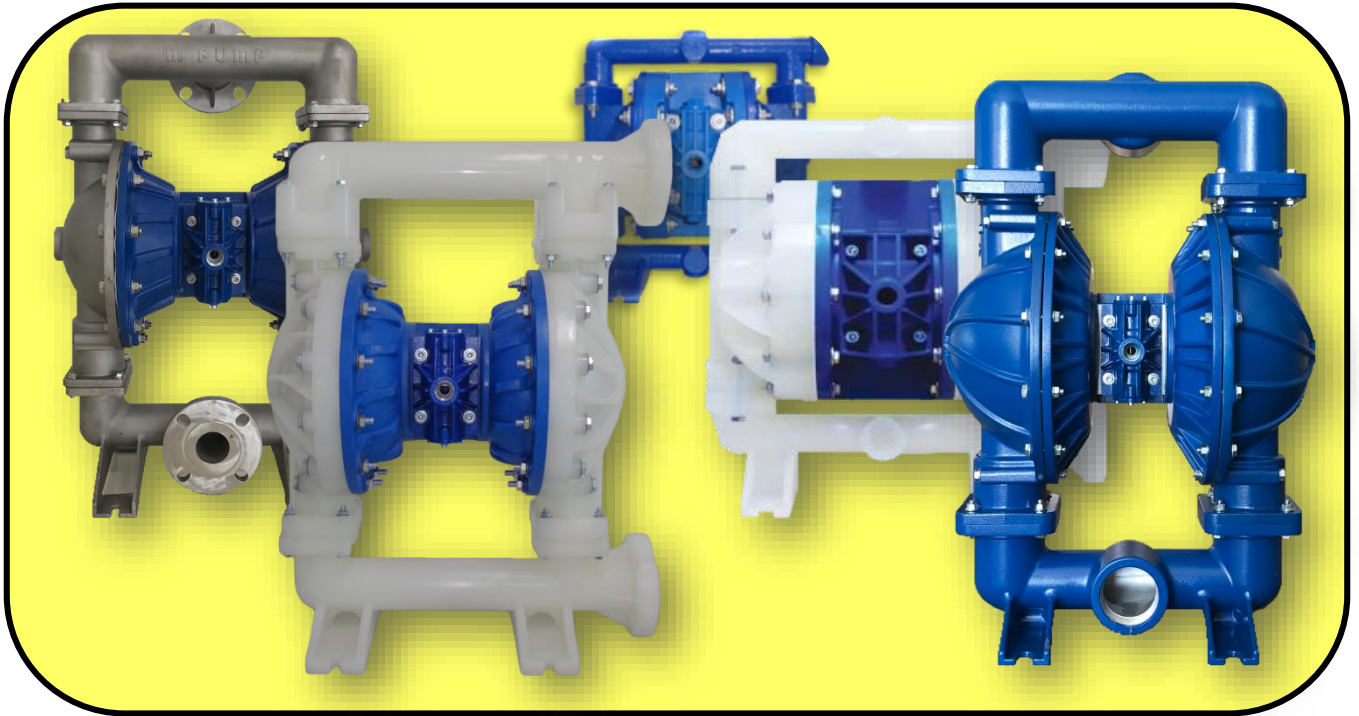


SERFILCO®

INTERNATIONAL LTD



M-Air Operated Double Diaphragm Pumps



The new M-Air Operated Double Diaphragm Pump from SERFILCO® Using the latest design, manufacturing and assembly techniques. This is a new generation of air diaphragm pump designed to be more efficient and more economical in operation. Meeting the demands of todays users.

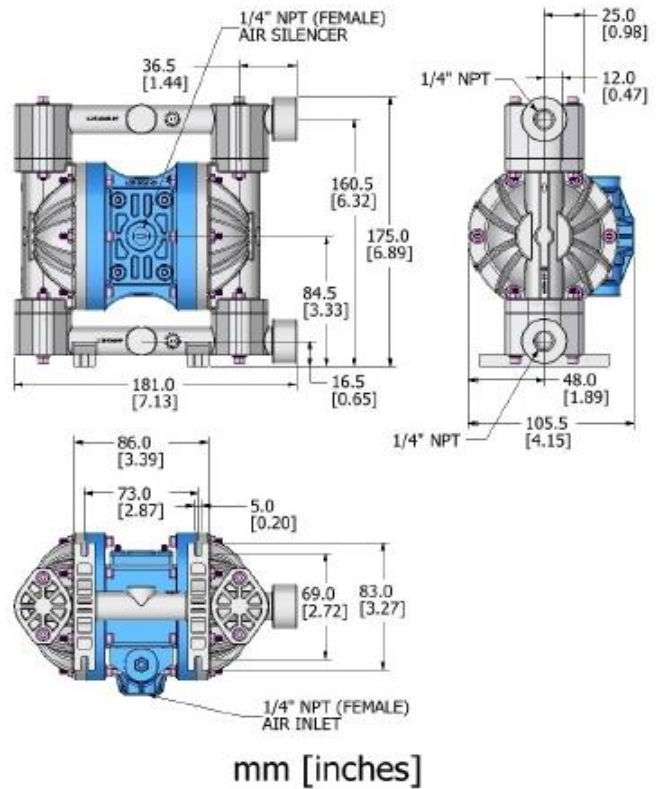
Benefits

- Available in Aluminium – Polypropylene – PVDF (Kynar) – Stainless Steel (316)
In sizes 0.25" to 3.0" with capacities 16 – 1000 Lpm
- Uses upto 40% Less air than similar models in use
Efficiency is achieved with a frictionless valve assembly allowing more economical use of the air supply.
- Simplified Air Valve
Also means fewer parts. Less inventory and reduced maintenance costs. Typically uses half as many parts as current equivalents.
- Proven cost reductions in Air consumption

M-Air Operated Double Diaphragm Pumps

0.25" Non Metallic

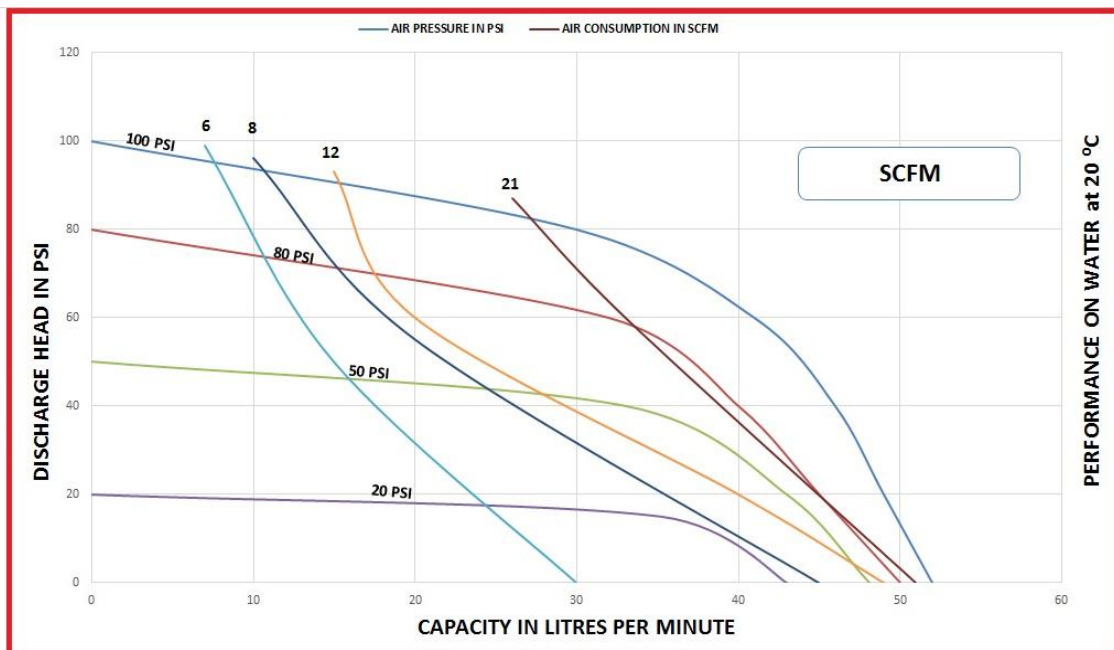
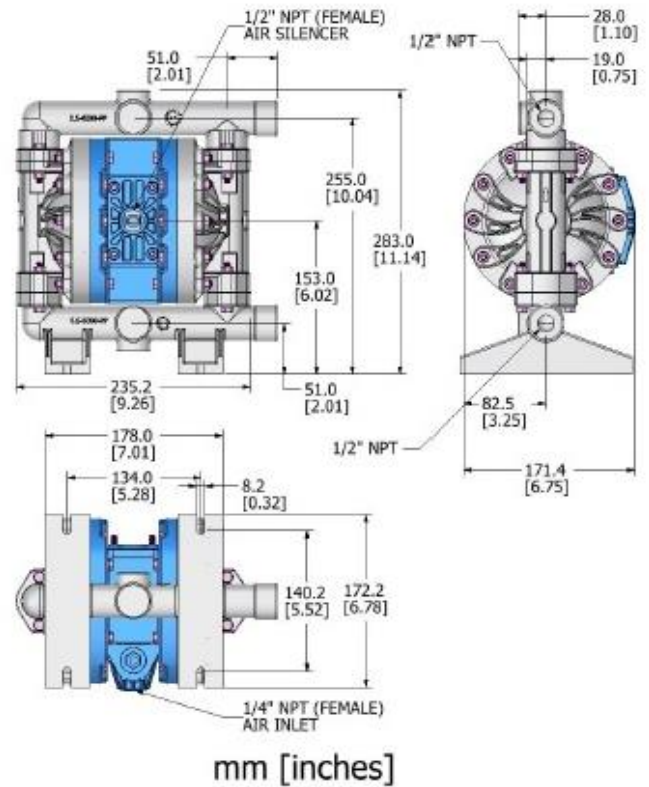
- Available in Polypropylene & Kynar
- Elastomers Teflon.
- Max. Flow Rate 16 lpm
- Max. Working Pressure 5 bar (72.5 psi)
- Air Inlet Connection 1/4" BSP / NPT (F)
- Fluid Connection 1/4" BSP / NPT (F)
- Max. Dry suct lift 1.3 m
- Max. Solid Sizes 1 mm
- Max. Temp see elastomer choice



M-Air Operated Double Diaphragm Pumps

0.5" Non Metallic

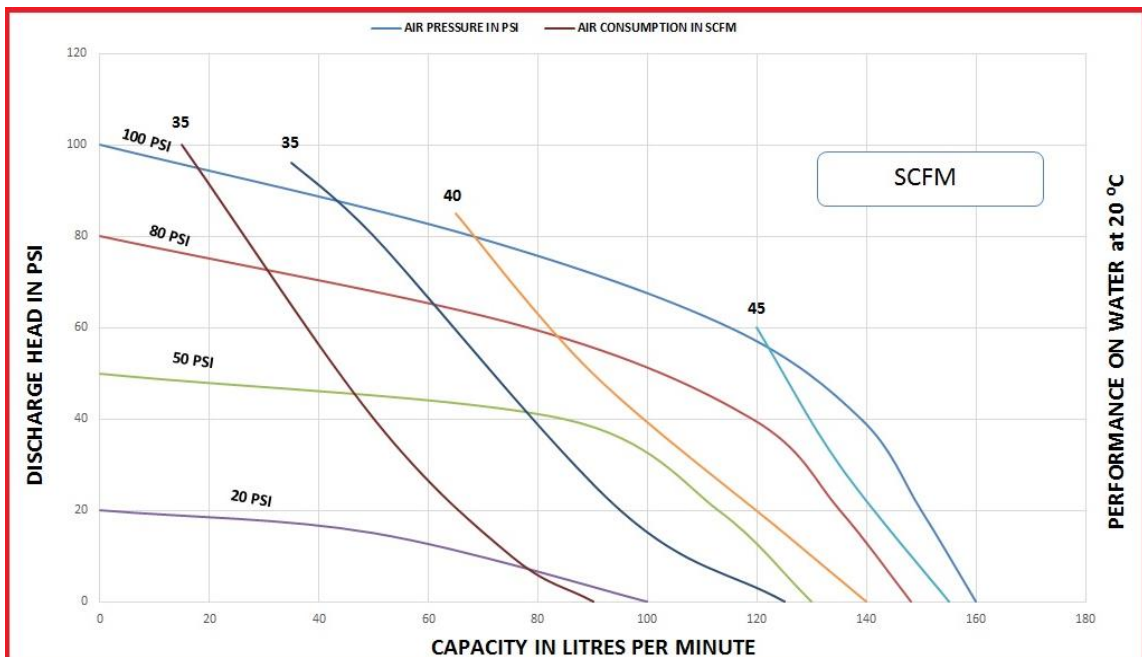
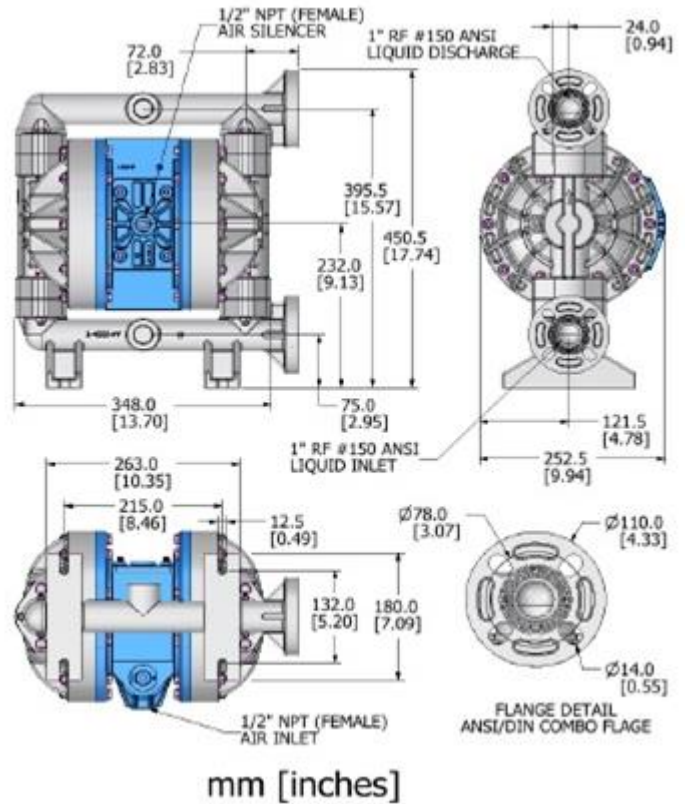
- Available in Polypropylene & Kynar
- Elastomers Nitrile, Santoprene, Teflon.
- Max. Flow Rate 52 lpm
- Max. Working Pressure 8.6 bar (125 psi)
- Air Inlet Connection 1/4" BSP / NPT (F)
- Fluid Connection 1/2" BSP / NPT (F)
- Max. Dry suct lift 4.2 m
- Max. Solid Sizes 2 mm
- Max. Temp see elastomer choice



M-Air Operated Double Diaphragm Pumps

1.0" Non Metallic

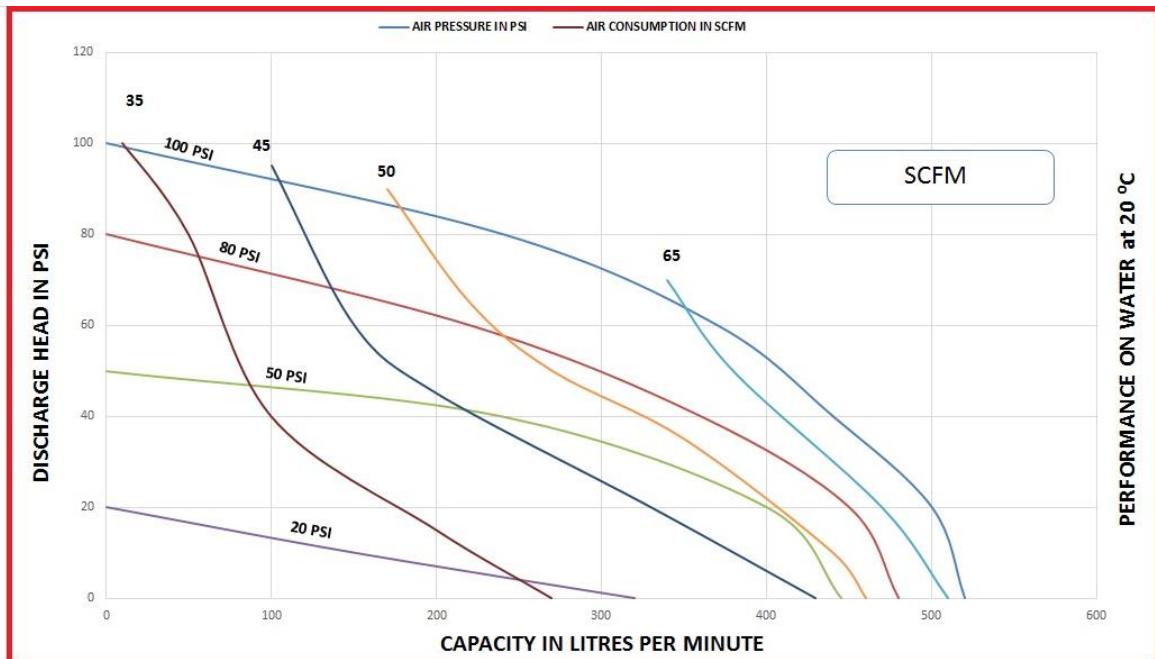
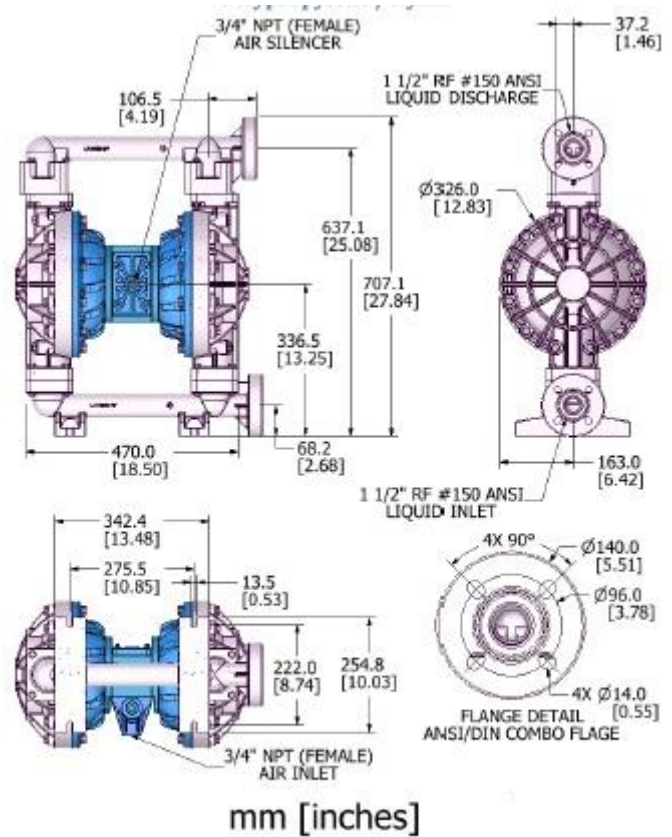
- Available in Polypropylene & Kynar
- Elastomers Nitrile, Santoprene, Teflon.
- Max. Flow Rate 156 lpm
- Max. Working Pressure 8.6 bar (125 psi)
- Air Inlet Connection 1/2" BSP / NPT (F)
- Fluid Connection 1.0" ANSI / DIN Flange
- Max. Dry suct lift 6.0 m
- Max. Solid Sizes 3 mm
- Max. Temp see elastomer choice



M-Air Operated Double Diaphragm Pumps

1.5" Non Metallic

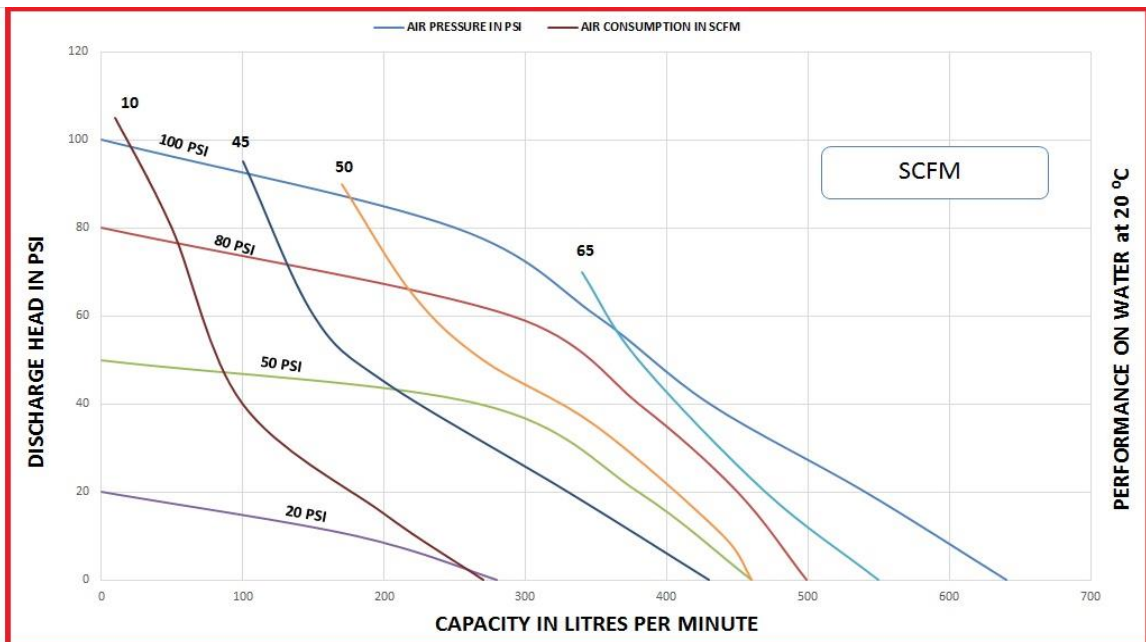
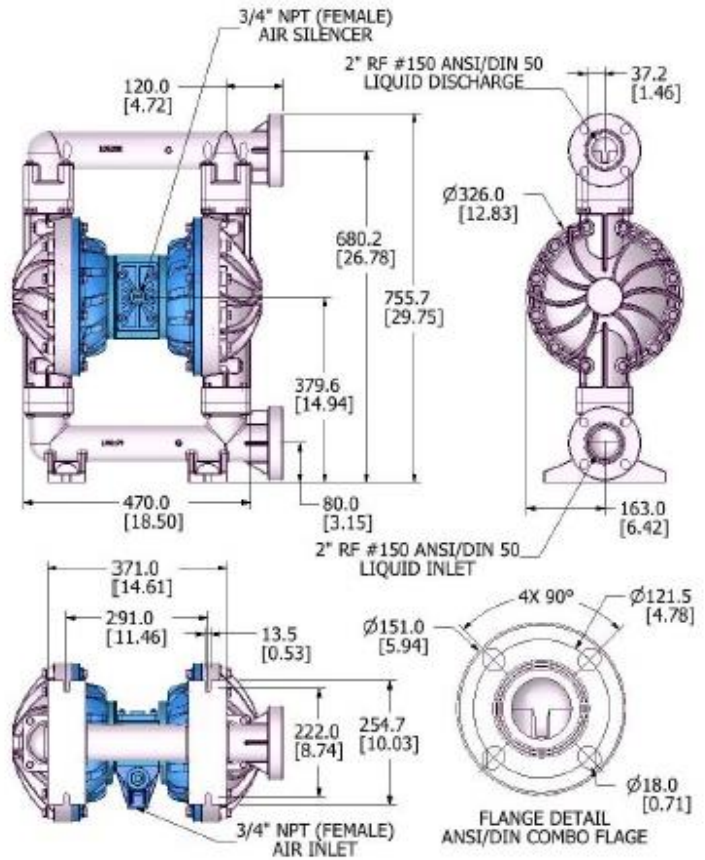
- Available in Polypropylene & Kynar
- Elastomers Nitrile, Santoprene, Teflon.
- Max. Flow Rate 520 lpm
- Max. Working Pressure 8.6 bar (125 psi)
- Air Inlet Connection 3/4" BSP / NPT (F)
- Fluid Connection 1.5" ANSI / DIN Flange
- Max. Dry suct lift 6.0 m
- Max. Solid Sizes 6 mm
- Max. Temp see elastomer choice



M-Air Operated Double Diaphragm Pumps

2.0" Non Metallic

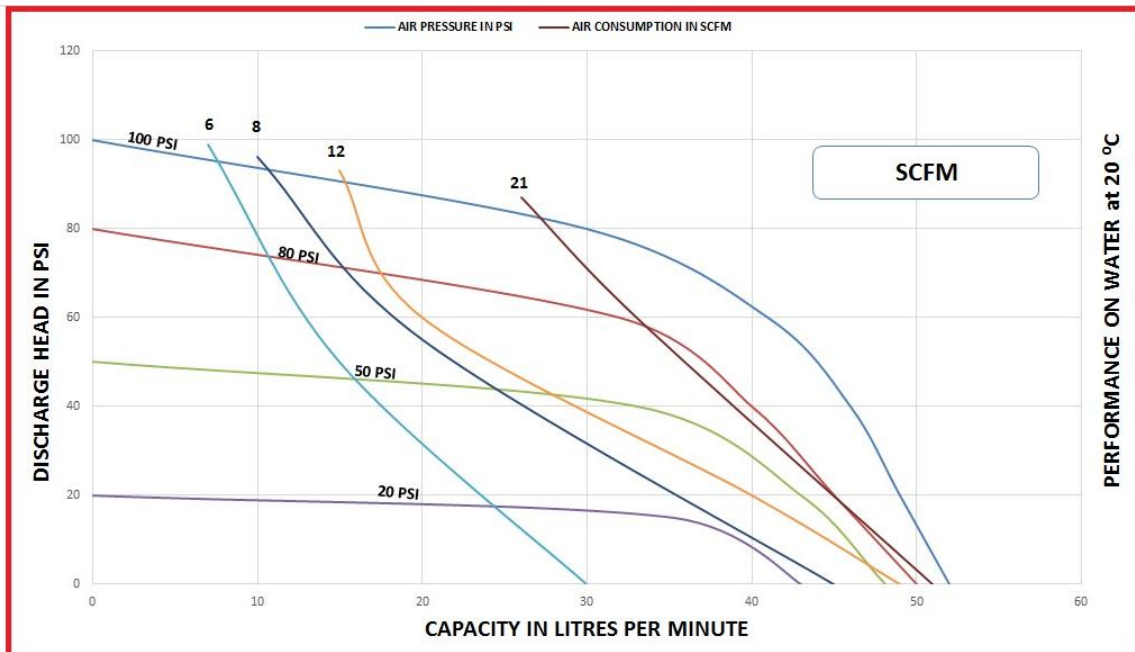
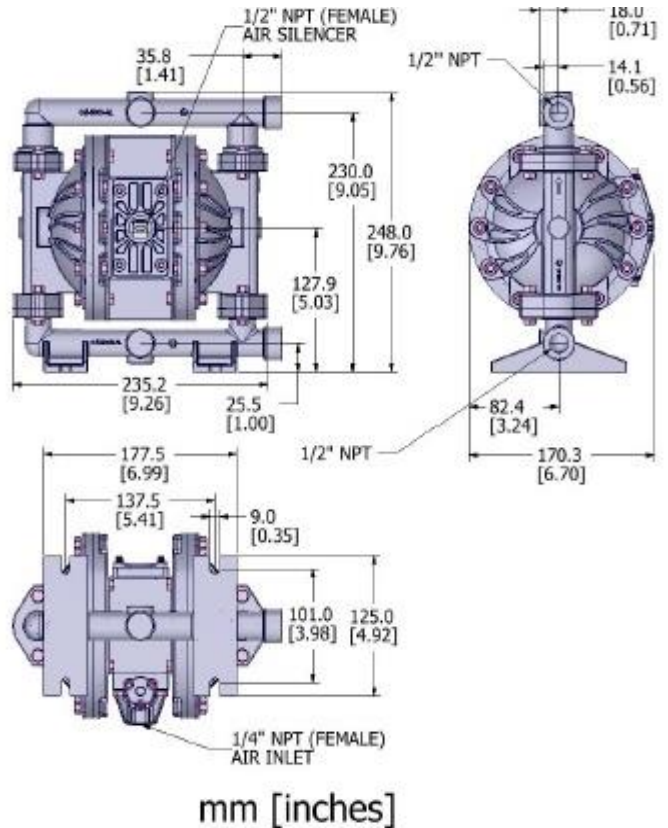
- Available in Polypropylene & Kynar
- Elastomers Nitrile, Santoprene, Teflon.
- Max. Flow Rate 650 lpm
- Max. Working Pressure 8.6 bar (125 psi)
- Air Inlet Connection 3/4" BSP / NPT (F)
- Fluid Connection 2.0" ANSI / DIN Flange
- Max. Dry suct lift 6.0 m
- Max. Solid Sizes 6 mm
- Max. Temp see elastomer choice



M-Air Operated Double Diaphragm Pumps

0.5" Metallic

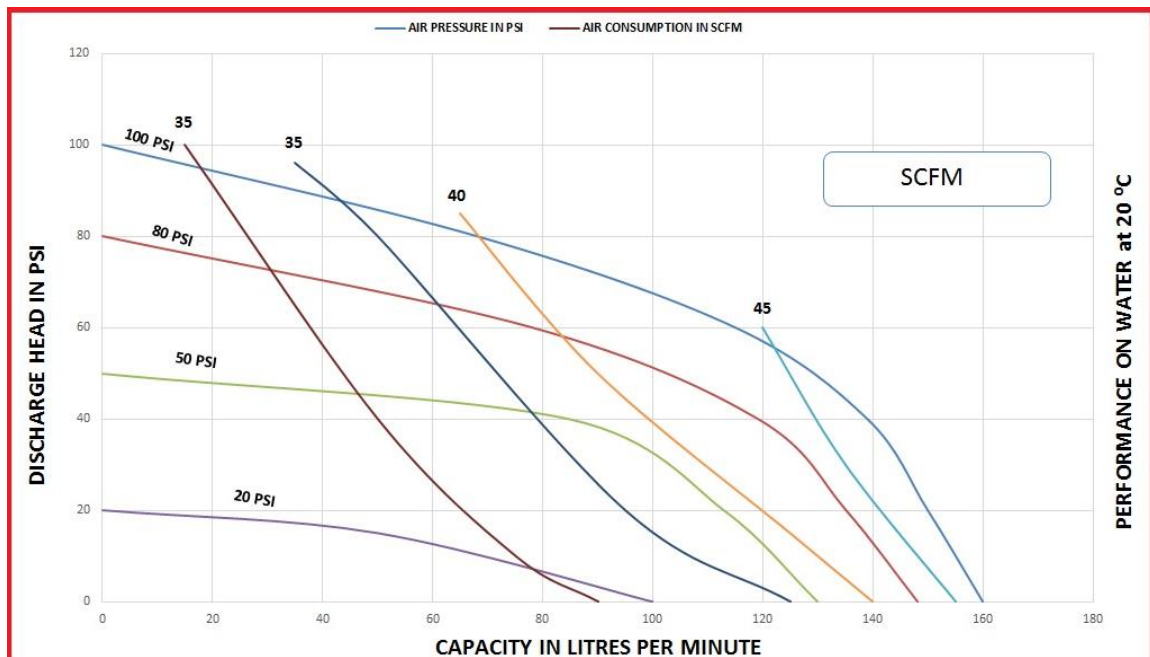
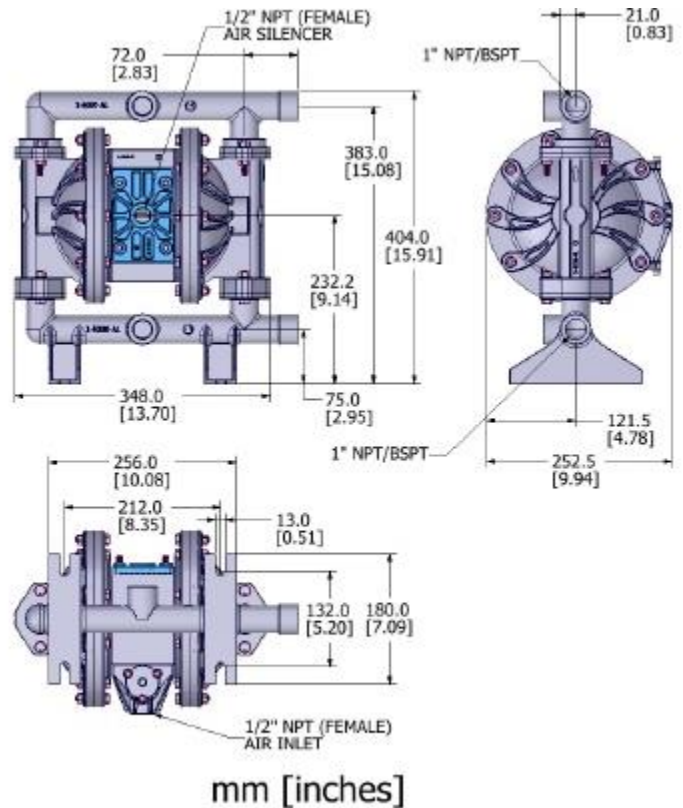
- Available in Aluminium & Stainless Steel
- Elastomers Buna, Nitrile, Santoprene, Teflon.
- Max. Flow Rate 52 lpm
- Max. Working Pressure 8.6 bar (125 psi)
- Air Inlet Connection 1/4" BSP / NPT (F)
- Fluid Connection 1/2" BSP / NPT (F)
- Max. Dry suct lift 4.2 m
- Max. Solid Sizes 2 mm
- Max. Temp see elastomer choice



M-Air Operated Double Diaphragm Pumps

1.0" Metallic

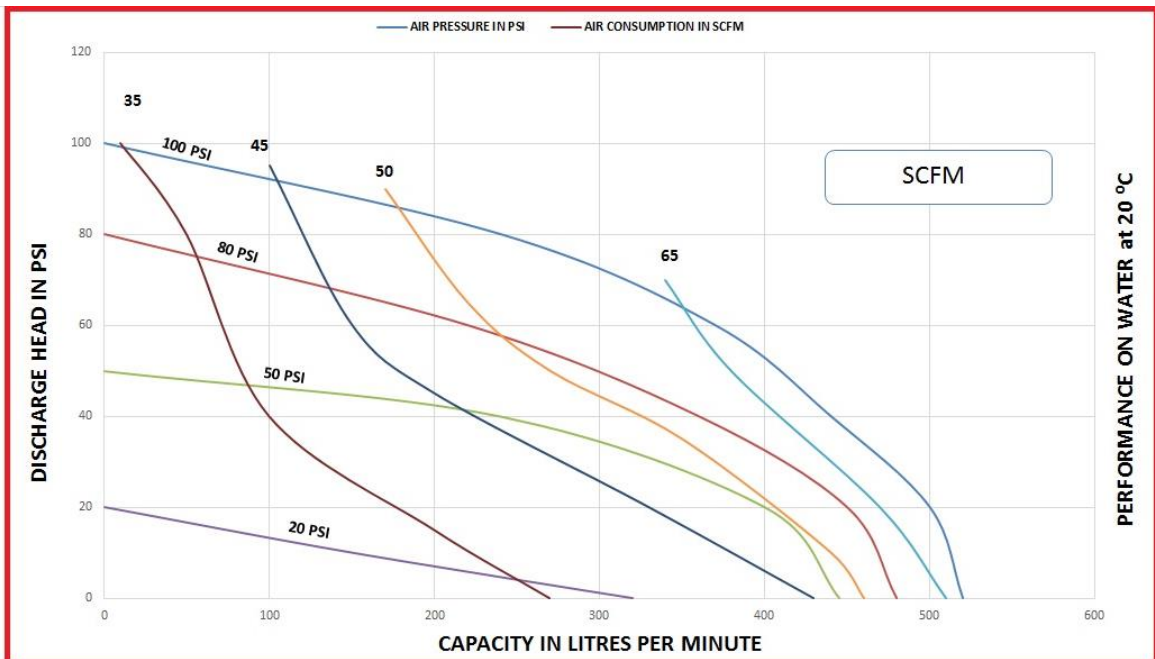
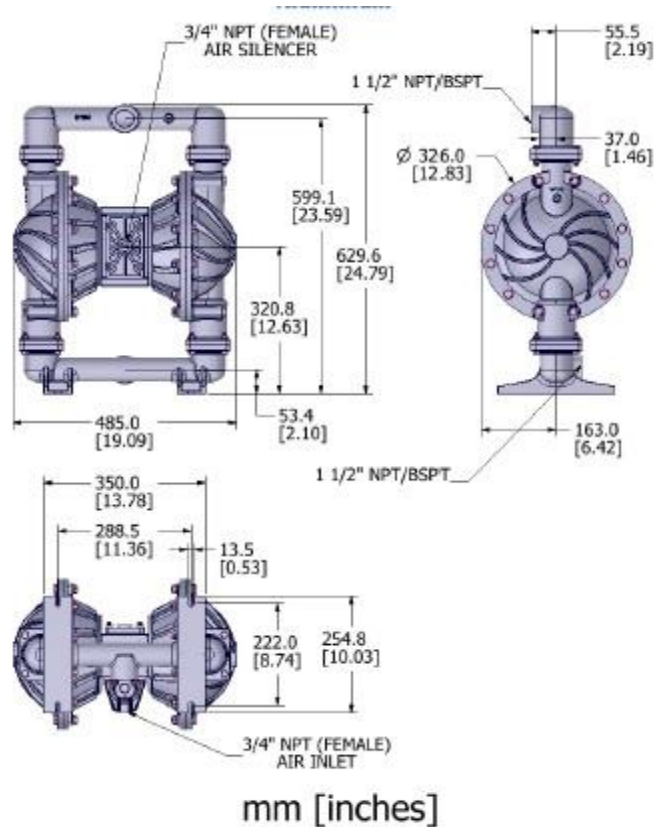
- Available in Aluminium & Stainless Steel
- Elastomers Buna, Nitrile, Santoprene, Teflon.
- Max. Flow Rate 156 lpm
- Max. Working Pressure 8.6 bar (125 psi)
- Air Inlet Connection 1/4" BSP / NPT (F)
- Fluid Connection 1" BSP or NPT (F)
- Max. Dry suct lift 4.2 m
- Max. Solid Sizes 3 mm
- Max. Temp see elastomer choice



M-Air Operated Double Diaphragm Pumps

1.5" Metallic

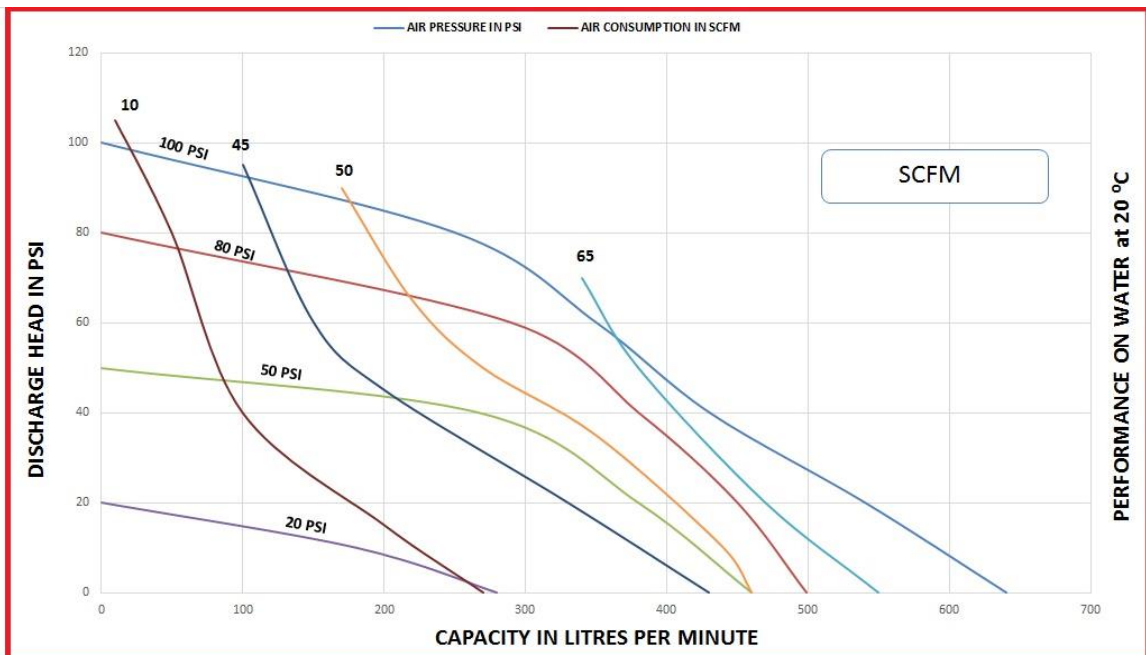
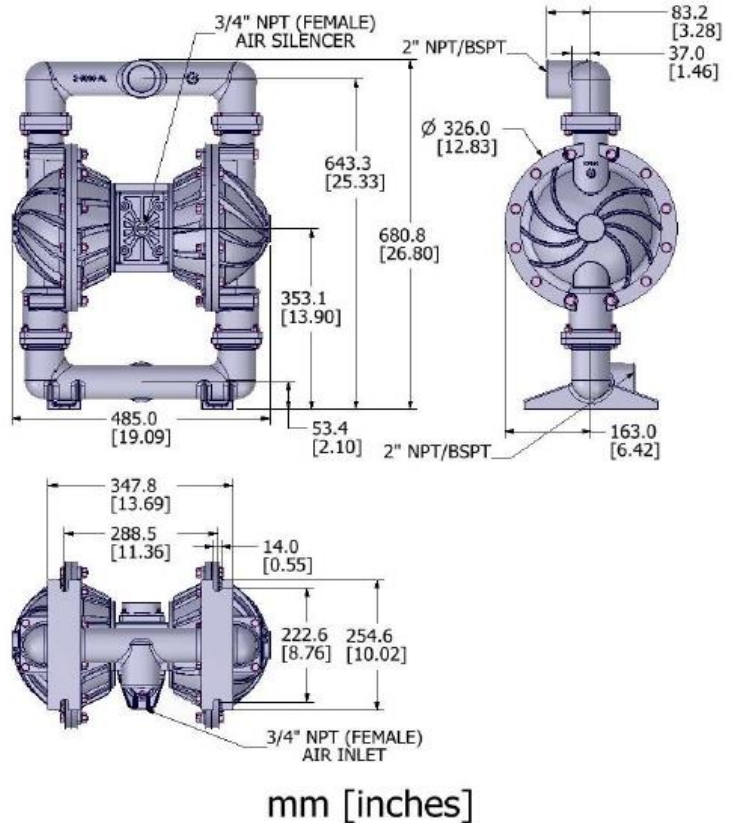
- Available in Aluminium & Stainless Steel
- Elastomers Buna, Nitrile, Santoprene, Teflon.
- Max. Flow Rate 520 lpm
- Max. Working Pressure 8.6 bar (125 psi)
- Air Inlet Connection 3/4" BSP / NPT (F)
- Fluid Connection 1.5" BSP or NPT (F)
- Max. Dry suct lift 6.0 m
- Max. Solid Sizes 6 mm
- Max. Temp see elastomer choice



M-Air Operated Double Diaphragm Pumps

2.0" Metallic

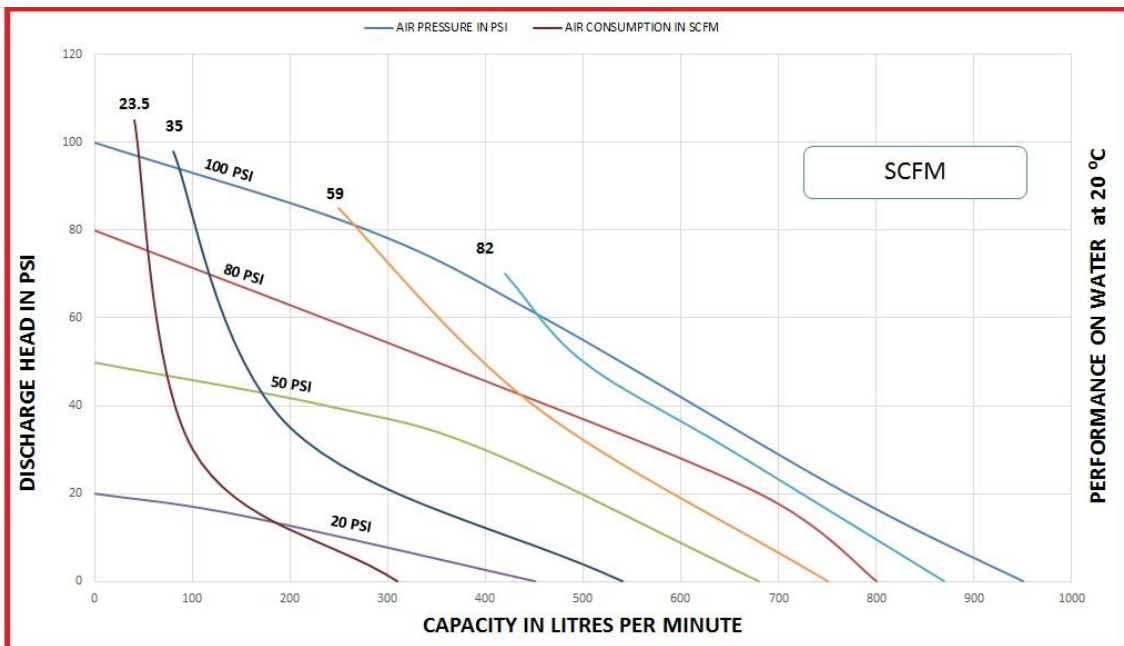
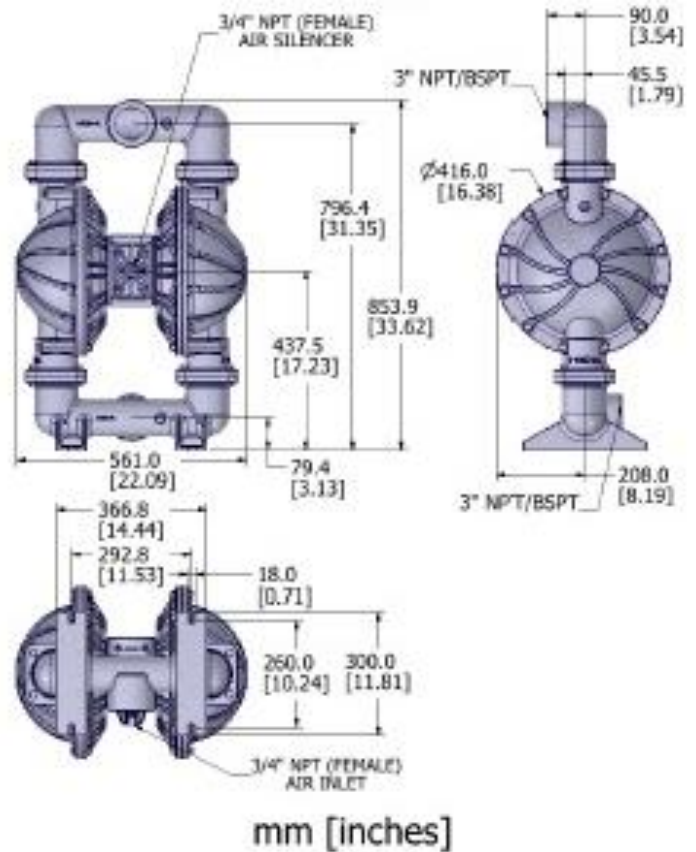
- Available in Aluminium & Stainless Steel
- Elastomers Buna, Nitrile, Santoprene, Teflon.
- Max. Flow Rate 650 lpm
- Max. Working Pressure 8.6 bar (125 psi)
- Air Inlet Connection 3/4" BSP / NPT (F)
- Fluid Connection 2" BSP or NPT (F)
- Max. Dry suct lift 6.0 m
- Max. Solid Sizes 6 mm
- Max. Temp see elastomer choice



M-Air Operated Double Diaphragm Pumps

3.0" Metallic

- Available in Aluminium & Stainless Steel
- Elastomers Nitrile, Santoprene, Teflon.
- Max. Flow Rate 950 lpm
- Max. Working Pressure 8.6 bar (125 psi)
- Air Inlet Connection 3/4" BSP / NPT (F)
- Fluid Connection 3" BSP or NPT (F)
- Max. Dry suct lift 6.0 m
- Max. Solid Sizes 8 mm
- Max. Temp see elastomer choice



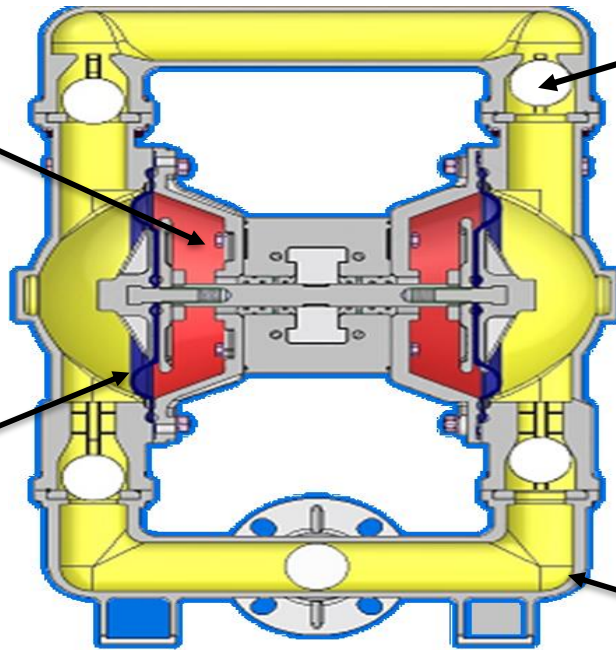
M-Air Operated Double Diaphragm Pumps

Non Wetted Materials

- GFPP
- Aluminium
- Stainless Steel

Diaphragms

- PU
- Buna
- Neoprene
- Hytrel
- PTFE
- Santoprene
- Viton



Ball Valve Option

- PU
- Buna
- Neoprene
- Hytrel
- PTFE
- Santoprene
- Viton

Wetted Materials

- Aluminium
- Stainless Steel
- Polypropylene
- PVDF (Kynar)

Typical Coding System

Wetted Material Options		Non-Wetted Material Options		Diaphragm Options		Ball Valve Options		Valve Seat Options		Pumps Size		Connection Type	
Serifico Part No	M Pump Model No	Serifico Part No	M Pump Model No	Serifico Part No	M Pump Model No	Serifico Part No	M Pump Model No	Serifico Part No	M Pump Model No	Serifico Part No	M Pump Model No	Serifico Part No	M Pump Model No
1		2		3		4		5		6		7	
1 A	Aluminium	1 G	GFPP	1 B	Buna	1 B	Buna	1 A	Aluminium	0.25	0.25 0.25"	BSP	BSP (female)
2 S	Stainless Steel	2 A	Aluminium	2 E	EPDM	2 E	EPDM	2 B	Buna	0.5	0.5 0.5"	NPT	NPT (female)
3 P	Polypropylene	3 S	Stainless Steel (optional)	3 N	Neoprene	3 N	Neoprene	3 K	PVDF (Kynar)	1	1 1"	F	F Flanged
4 K	PVDF (Kynar)			4 H	Hytrel	4 H	Hytrel	4 N	Neoprene	1.5	1.5 1.5"		
				5 T	PTFE	5 T	PTFE	5 P	Polypropylene	2	2 2"		
				6 W	Santoprene	6 W	Santoprene	6 S	Stainless Steel	3	3 3"		
				7 V	Viton	7 V	Viton	7 T	PTFE				
				8 P	PU	8 P	PU	8 W	Santoprene				

Please note that not all material options are available on all pumps.

EPDM Option discontinued

M-Air Operated Double Diaphragm Pumps

Elastomer Applications

Material	Optimum Temperature	Typical Application / Chemical Compatibility
Neoprene	10 – 54° C	General Purpose Diaphragm – non aggressive liquids.
Buna -N	10 – 60° C	Petroleum based fluids (gasoline, fuel oils, non synthetic hydraulic oils, kerosene, turpentine, motor oils.
EPDM No Longer Available	10 – 60° C	Cold temperature uses. Dilute acids and caustics
Viton	24 – 100° C	Hot temperatures. Aggressive fluids aromatic of chlorinated hydrocarbons. Highly aggressive acid applications good suction lift outside the range of PTFE
Polyurethane	10 – 54° C	Non aggressive applications water based liquids
Santoprene	10 – 100° C	Lower cost alternative to Teflon in many acid and caustic applications- sodium hydroxide. Sulphuric or hydrochloric acids
Hytrel	10 – 54° C	FDA approved for food processing applications. Good general purpose diaphragm
PTFE	10 – 100° C	Aggressive chemicals and solvents but low abrasion resistance.

SERFILCO PUMP RANGE

Visit www.serfilco.co.uk to see our full range of products

Horizontal Sealed – a wide range of single or double sealed horizontal end suction pumps constructed of engineering grade thermoplastic. Flows from 20 to 4000 lpm

Vertical Sealed – Efficient range of proven centrifugal pumps from 300mm to 30 in length. Engineering grade thermoplastics or stainless steel construction. Flows from 10 to 2000 lpm

Mag-Drive – a complete range of plastic or metallic end suction centrifugal magnetic coupled pumps. Self - priming, ATEX and spindle-less options available. Flows from 10 – 800 lpm.

Self – Priming – Electric motor or air driven double diaphragm pumps in a wide range of plastic and metal materials. Flows from 5 – 1000 lpm

Metering - Dosing Pumps – Precise measurement and flow of liquids with a choice of control methods.

Drum Pumps – Complete product Line of Drum Pumps and Manual Hand dispensing pumps for fast , safe, convenient transfer and dispensing of liquids.

SERFILCO INTERNATIONAL LTD
Siemens Road, Manchester, UK
+44 (0)161 775 1910
global@serfilco.com

Distributor