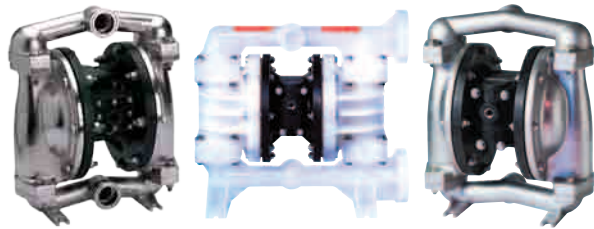


1" (25mm) HEAVY DUTY STYLE PUMP



1" (25mm) HEAVY DUTY BOLTED STYLE PUMP



1" (25mm) HEAVY DUTY BOLTED STYLE PUMP

Engineered for maximum fluid and chemical compatibility. Heavy duty, non-metallic air section ensures stall free and freeze free operation. Bolted design provides ease of maintenance and leak free operation. Available in a variety of materials and options.

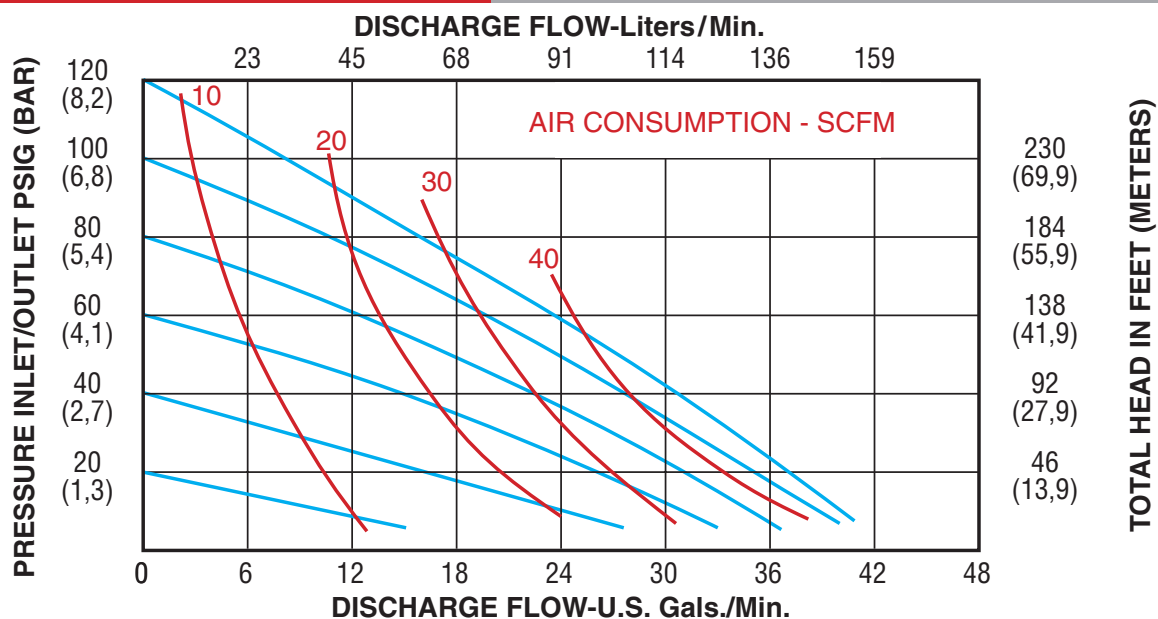
- Suitable for Clean Fluids, Slurries or up to 1/4" Solids
- All-Pur FDA Elastomers and Electropassivated Stainless Available
- Heavy Duty Air Valve
- Available in Metallic or Non-Metallic Wetted Components
- Muffler Included

SPECIFICATIONS

Dimension	
Physical Dimensions	See Drawing Page 75/76
Air Inlet	1/4"
Liquid Inlet	1" [25 mm]
Liquid Outlet	1" [25 mm]
Weight	See Product Tables
Performance	
Maximum Flow	41 gpm (155.8 lpm)
Maximum Air Pressure	120 psi (8.2 bar)
Maximum Solids	1/4" (6.4 mm)
Max Suction Lift Dry	15 ft (4.5 m)
Max Suction Lift Wet	26 ft (7.9 m)
Max Suction Lift Dry with PTFE	10 ft (3 m)
Max Temperature	See Product Tables
Noise Level (with muffler)	80 dBA



PERFORMANCE CURVE (Based on water-flooded suction)



1" (25mm) - ALUMINUM - General purpose pump, suitable for water, oils, most solvents, and most paints. Please consult chemical compatibility tables or www.all-flo.com for your particular application.

PART NUMBER	DIAPHRAGM MATERIAL	VALVE/BALL MATERIAL	VALVE SEAT MATERIAL	O-RING MATERIAL	FASTENER MATERIAL	WEIGHT LBS (KG)	MAX TEMPERATURE °F (°C)	DIMENSIONAL DIAGRAM	CONNECT TYPE
AN-10	Geolast®	Nitrile	Polypropylene	Nitrile	SS	28 (12.7)	180 (82)	Pg. 76	NPT
AB-10	Geolast®	Geolast®	Polypropylene	Nitrile	SS	28 (12.7)	180 (82)	Pg. 76	NPT
AB-10-B2	Geolast®	PTFE	Polypropylene	Nitrile	SS	28 (12.7)	180 (82)	Pg. 76	NPT
AT-10	PTFE	PTFE	Nylon	PTFE	SS	28 (12.7)	212 (100)	Pg. 76	NPT
AE-10	Santoprene®	Santoprene®	Polypropylene	EPDM	SS	28 (12.7)	212 (100)	Pg. 76	NPT
AV-10	Viton®	Viton®	Nylon	Viton®	SS	28 (12.7)	212 (100)	Pg. 76	NPT
AN-10-P15	Geolast®	Nitrile	Polypropylene	Nitrile	SS	28 (12.7)	180 (82)	Pg. 76	BSP
AB-10-P15	Geolast®	Geolast®	Polypropylene	Nitrile	SS	28 (12.7)	180 (82)	Pg. 76	BSP
AB-10-B2-P15	Geolast®	PTFE	Polypropylene	Nitrile	SS	28 (12.7)	180 (82)	Pg. 76	BSP
AT-10-P15	PTFE	PTFE	Nylon	PTFE	SS	28 (12.7)	212 (100)	Pg. 76	BSP
AE-10-P15	Santoprene®	Santoprene®	Polypropylene	EPDM	SS	28 (12.7)	212 (100)	Pg. 76	BSP
AV-10-P15	Viton®	Viton®	Nylon	Viton®	SS	28 (12.7)	212 (100)	Pg. 76	BSP

1" (25mm) - 316 SS - Corrosion resistant steel, suitable for nitric acid, chlorinated solvents, caustics and marine applications. Please consult chemical compatibility tables or www.all-flo.com for your particular application.

PART NUMBER	DIAPHRAGM MATERIAL	VALVE/BALL MATERIAL	VALVE SEAT MATERIAL	O-RING MATERIAL	FASTENER MATERIAL	WEIGHT LBS (KG)	MAX TEMPERATURE °F (°C)	DIMENSIONAL DIAGRAM	CONNECT TYPE
SN-10	Geolast®	Nitrile	SS	Nitrile	SS	56 (25.4)	180 (82)	Pg. 76	NPT
SB-10	Geolast®	Geolast®	SS	Nitrile	SS	56 (25.4)	180 (82)	Pg. 76	NPT
SP-10	PTFE	PTFE	SS	PTFE	SS	56 (25.4)	212 (100)	Pg. 76	NPT
SE-10	Santoprene®	Santoprene®	SS	EPDM	SS	56 (25.4)	212 (100)	Pg. 76	NPT
SV-10	Viton®	Viton®	SS	Viton®	SS	56 (25.4)	212 (100)	Pg. 76	NPT
SN-10-P15	Geolast®	Nitrile	SS	Nitrile	SS	56 (25.4)	180 (82)	Pg. 76	BSP
SB-10-P15	Geolast®	Geolast®	SS	Nitrile	SS	56 (25.4)	180 (82)	Pg. 76	BSP
SP-10-P15	PTFE	PTFE	SS	PTFE	SS	56 (25.4)	212 (100)	Pg. 76	BSP
SE-10-P15	Santoprene®	Santoprene®	SS	EPDM	SS	56 (25.4)	212 (100)	Pg. 76	BSP
SV-10-P15	Viton®	Viton®	SS	Viton®	SS	56 (25.4)	212 (100)	Pg. 76	BSP

ALL-PÜR 1" (25mm) - ELECTROPOLISHED & PASSIVATED 316 SS - FDA elastomers and corrosion resistant steel. Suitable for food and sanitary applications. Please consult chemical compatibility tables or www.all-flo.com for your particular application.

PART NUMBER	DIAPHRAGM MATERIAL	VALVE/BALL MATERIAL	VALVE SEAT MATERIAL	O-RING MATERIAL	FASTENER MATERIAL	WEIGHT LBS (KG)	MAX TEMP °F (°C)	DIMENSIONAL DIAGRAM	CONNECT TYPE
SB-10-X44	FDA Hytrel®	FDA Nitrile®	SS	FDA Nitrile®	SS	56 (25.4)	180 (82)	Pg. 76	1 1/2" Tri-Clamp
SP-10-X44	FDA PTFE	FDA PTFE	SS	FDA PTFE	SS	56 (25.4)	212 (100)	Pg. 76	1 1/2" Tri-Clamp
SE-10-X44	Santoprene®	Santoprene®	SS	FDA EPDM	SS	56 (25.4)	212 (100)	Pg. 76	1 1/2" Tri-Clamp

1" (25mm) - POLYPROPYLENE - A non-metallic material, suitable for water, caustics, soap solutions, mild acids and general purpose applications. Please consult chemical compatibility tables or www.all-flo.com for your particular application.

PART NUMBER	DIAPHRAGM MATERIAL	VALVE/BALL MATERIAL	VALVE SEAT MATERIAL	O-RING MATERIAL	FASTENER MATERIAL	WEIGHT LBS (KG)	MAX TEMP °F (°C)	DIMENSIONAL DIAGRAM	CONNECT TYPE
PN-10	Geolast®	Nitrile	Polypropylene	Nitrile	SS	26 (11.8)	150 (66)	Pg. 75	ANSI / DIN Flange
PB-10	Geolast®	Geolast®	Polypropylene	Nitrile	SS	26 (11.8)	150 (66)	Pg. 75	ANSI / DIN Flange
PT-10	PTFE	PTFE	Polypropylene	PTFE	SS	26 (11.8)	150 (66)	Pg. 75	ANSI / DIN Flange
PE-10	Santoprene®	Santoprene®	Polypropylene	EPDM	SS	26 (11.8)	150 (66)	Pg. 75	ANSI / DIN Flange
PV-10	Viton®	Viton®	Polypropylene	Viton®	SS	26 (11.8)	150 (66)	Pg. 75	ANSI / DIN Flange

1" (25mm) HEAVY DUTY BOLTED STYLE PUMP

1" (25mm) - PVDF - Polyvinylidene fluoride suitable in applications requiring the highest purity, strength, and resistance to solvents, acids, and bases. Please consult chemical compatibility tables or www.all-flo.com for your particular application.

PART NUMBER	DIAPHRAGM MATERIAL	VALVE/BALL MATERIAL	VALVE SEAT MATERIAL	O-RING MATERIAL	FASTENER MATERIAL	WEIGHT LBS (KG)	MAX TEMP °F (°C)	DIMENSIONAL DIAGRAM	CONNECT TYPE
KT-10	PTFE	PTFE	PVDF	PTFE	SS	36 (16.3)	200 (93)	Pg. 75	ANSI / DIN Flange
KE-10	Santoprene®	Santoprene®	PVDF	EPDM	SS	36 (16.3)	200 (93)	Pg. 75	ANSI / DIN Flange
KV-10	Viton®	Viton®	PVDF	Viton®	SS	36 (16.3)	200 (93)	Pg. 75	ANSI / DIN Flange

AVAILABLE OPTIONS - Each pump can be configured to suit a particular application. Please see the options section for detailed product information on the following available options.

AIR VALVE OPTIONS		SEE PAGE 67
CYCLE COUNT VALVE	SOLENOID ADAPTOR VALVE	
BALL VALVE OPTIONS		SEE PAGE 67
GEOLAST®	PTFE	
SANTOPRENE®	HEAVY NITRILE	
FDA NITRILE	STAINLESS STEEL	
HARDWARE OPTIONS		SEE PAGE 67
PTFE COATED HARDWARE		
O-RINGS		SEE PAGE 67
PTFE O-RINGS	NITRILE O-RINGS	
EPDM O-RINGS	VITON® O-RINGS	
PORTING OPTIONS		SEE PAGE 68
BSP THREADS	ALL PORTS OPEN	
DISCHARGE AIR INLET / EXHAUST		
SUCTION / AIR INLET / EXHAUST		
SUCTION / DISCHARGE LEFT		
SUCTION RIGHT & DISCHARGE LEFT		
SUCTION LEFT & DISCHARGE RIGHT		
VALVE SEAT OPTIONS		SEE PAGE 68
POLYPROPYLENE	NYLON	
PVDF	STAINLESS STEEL	

AVAILABLE ACCESSORIES - Please see the accessories section for detailed product information on the following available accessories.

AIR	SEE PAGE
FILTER / REGULATOR / GAUGE	60
SOLENOID VALVES	60
AIR FLOW CONTROL VALVES	60
NEEDLE VALVE	60
LIQUID	
COMPANION FLANGE KIT	61
SUCTION STRAINER	61
PUMP	
GROUNDING LUG	64



METALLIC

Our 1" metallic pumps, available in both stainless steel and aluminum, can be fitted with a wide variety of elastomers to suit your application.



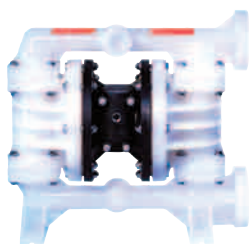
NON-METALLIC

Wetted chambers available in polypropylene or PVDF. Diaphragms available in PTFE, Santoprene® or Viton®. Multiple liquid porting options available.



ALL-PUR FDA PUMPS

Electropolished and passivated 316 SS with FDA approved elastomers and tri-clamps for sanitary applications.



1" (25MM) HEAVY DUTY BOLTED STYLE SOLIDS HANDLING PUMP

Engineered for maximum fluid and chemical compatibility. Heavy duty, non-metallic air section ensures stall free and freeze free operation. Our patented "Max-Pass™" valve system allows operation under a variety of conditions, ranging from clean fluids to slurries, to large solids. Bolted design provides ease of maintenance and leak free operation. Available in a variety of materials and options.

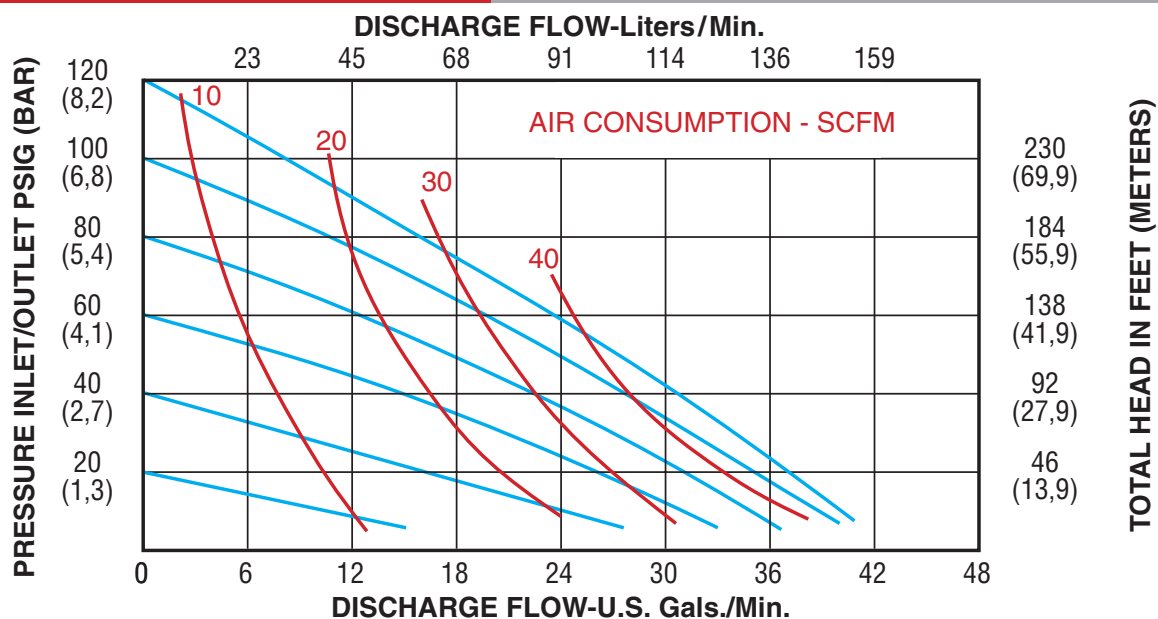
- Suitable for Clean Fluids, Slurries or up to 3/4" Solids
- All-Pür FDA Elastomers and Electropassivated Stainless Available
- Heavy Duty Air Valve
- Available in Metallic or Non-Metallic Wetted Components
- Muffler Included

SPECIFICATIONS

Dimension	
Physical Dimensions	See Drawing Page 75/76
Air Inlet	1/4"
Liquid Inlet	1" [25 mm]
Liquid Outlet	1" [25 mm]
Weight	See Product Tables
Performance	
Maximum Flow	41 gpm (155.8 lpm)
Maximum Air Pressure	120 psi (8.2 bar)
Maximum Solids	3/4" [19 mm]
For Metal Pumps Maximum Solids	1/2"
Max Suction Lift Dry	18 ft (5.5 m)
Max Suction Lift Wet	26 ft (7.9 m)
Max Suction Lift Dry with PTFE	15 ft (4.5 m)
Max Temperature	See Product Tables
Noise Level (with muffler)	80 dBA



PERFORMANCE CURVE (Based on water-flooded suction)



1" (25mm) HEAVY DUTY BOLTED STYLE SOLIDS HANDLING PUMP

1" (25mm) - ALUMINUM - General purpose pump, suitable for water, oils, most solvents, and most paints. Please consult chemical compatibility tables or www.all-flo.com for your particular application.

PART NUMBER	DIAPHRAGM MATERIAL	VALVE/BALL MATERIAL	VALVE SEAT MATERIAL	O-RING MATERIAL	FASTENER MATERIAL	WEIGHT LBS (KG)	MAX TEMPERATURE °F (°C)	DIMENSIONAL DIAGRAM	CONNECT TYPE
AB-10-M4	Geolast®	Nitrile Max-Pass™	N/A	Nitrile	SS	28 (12.7)	180 (100)	Pg. 76	NPT
AE-10-M5	Santoprene®	EPDM Max-Pass™	N/A	EPDM	SS	28 (12.7)	212 (100)	Pg. 76	NPT
AV-10-M40	Viton®	Viton® Max-Pass™	N/A	VITON®	SS	28 (12.7)	212 (100)	Pg. 76	NPT

1" (25mm) - 316 SS - Corrosion resistant steel, suitable for nitric acid, chlorinated solvents, caustics and marine applications. Please consult chemical compatibility tables or www.all-flo.com for your particular application.

PART NUMBER	DIAPHRAGM MATERIAL	VALVE/BALL MATERIAL	VALVE SEAT MATERIAL	O-RING MATERIAL	FASTENER MATERIAL	WEIGHT LBS (KG)	MAX TEMPERATURE °F (°C)	DIMENSIONAL DIAGRAM	CONNECT TYPE
SB-10-M4	Geolast®	Nitrile Max-Pass™	N/A	Nitrile	SS	56 (25.4)	180 (100)	Pg. 76	NPT
SE-10-M5	Santoprene®	EPDM Max-Pass™	N/A	EPDM	SS	56 (25.4)	212 (100)	Pg. 76	NPT
SV-10-M40	Viton®	Viton® Max-Pass™	N/A	Viton®	SS	56 (25.4)	212 (100)	Pg. 76	NPT

ALL-PÜR 1" (25mm) - ELECTROPOLISHED & PASSIVATED 316 SS - FDA elastomers and corrosion resistant steel. Suitable for food and sanitary applications. Please consult chemical compatibility tables or www.all-flo.com for your particular application.

PART NUMBER	DIAPHRAGM MATERIAL	VALVE/BALL MATERIAL	VALVE SEAT MATERIAL	O-RING MATERIAL	FASTENER MATERIAL	WEIGHT LBS (KG)	MAX TEMP °F (°C)	DIMENSIONAL DIAGRAM	CONNECT TYPE
SB-10-M40-X44	FDA Hytrel®	FDA Viton® MAX-PASS™	N/A	FDA Nitrile	SS	56 (25.4)	180 (82)	Pg. 76	1 1/2" Tri-Clamp
SP-10-M40-X44	FDA PTFE	FDA Viton® MAX-PASS™	N/A	Viton®	SS	56 (25.4)	212 (100)	Pg. 76	1 1/2" Tri-Clamp
SE-10-M40-X44	FDA Santoprene®	FDA Viton® MAX-PASS™	N/A	FDA EPDM	SS	56 (25.4)	212 (100)	Pg. 76	1 1/2" Tri-Clamp

1" (25mm) - POLYPROPYLENE - A non-metallic material, suitable for water, caustics, soap solutions, mild acids and general purpose applications. Please consult chemical compatibility tables or www.all-flo.com for your particular application.

PART NUMBER	DIAPHRAGM MATERIAL	VALVE/BALL MATERIAL	VALVE SEAT MATERIAL	O-RING MATERIAL	FASTENER MATERIAL	WEIGHT LBS (KG)	MAX TEMP °F (°C)	DIMENSIONAL DIAGRAM	CONNECT TYPE
PB-10-M4	Geolast®	Nitrile Max-Pass™	N/A	Nitrile	SS	26 (11.8)	150 (66)	Pg. 75	ANSI / DIN Flange
PE-10-M5	Santoprene®	EPDM Max-Pass™	N/A	EPDM	SS	26 (11.8)	150 (66)	Pg. 75	ANSI / DIN Flange
PV-10-M40	Viton®	Viton® Max-Pass™	N/A	Viton®	SS	26 (11.8)	150 (66)	Pg. 75	ANSI / DIN Flange

1" (25mm) - PVDF - Polyvinylidene fluoride suitable in applications requiring the highest purity, strength, and resistance to solvents, acids, and bases. Please consult chemical compatibility tables or www.all-flo.com for your particular application.

PART NUMBER	DIAPHRAGM MATERIAL	VALVE/BALL MATERIAL	VALVE SEAT MATERIAL	O-RING MATERIAL	FASTENER MATERIAL	WEIGHT LBS (KG)	MAX TEMP °F (°C)	DIMENSIONAL DIAGRAM	CONNECT TYPE
KE-10-M5	Santoprene®	EPDM Max-Pass™	N/A	EPDM	SS	36 (16.3)	200 (93)	Pg. 75	ANSI / DIN Flange
KV-10-M40	Viton®	Viton® Max-Pass™	N/A	Viton®	SS	36 (16.3)	200 (93)	Pg. 75	ANSI / DIN Flange

AVAILABLE OPTIONS - Each pump can be configured to suit a particular application. Please see the options section for detailed product information on the following available options.

AIR VALVE OPTIONS		SEE PAGE 67
CYCLE COUNT VALVE	SOLENOID ADAPTOR VALVE	
BALL VALVE OPTIONS		SEE PAGE 67
GEOLAST®	PTFE	
SANTOPRENE®	HEAVY NITRILE	
FDA NITRILE	STAINLESS STEEL	
HARDWARE OPTIONS		SEE PAGE 67
PTFE COATED HARDWARE		
O-RINGS		SEE PAGE 67
PTFE O-RINGS	NITRILE O-RINGS	
EPDM O-RINGS	VITON® O-RINGS	
PORTING OPTIONS		SEE PAGE 68
BSP THREADS	ALL PORTS OPEN	
DISCHARGE AIR INLET / EXHAUST		
SUCTION / AIR INLET / EXHAUST		
SUCTION / DISCHARGE LEFT		
SUCTION RIGHT & DISCHARGE LEFT		
SUCTION LEFT & DISCHARGE RIGHT		

AVAILABLE ACCESSORIES - Please see the accessories section for detailed product information on the following available accessories.

AIR	SEE PAGE
FILTER / REGULATOR / GAUGE	60
SOLENOID VALVES	60
AIR FLOW CONTROL VALVES	60
NEEDLE VALVE	60
LIQUID	
COMPANION FLANGE KIT	61
SUCTION STRAINER	61
PUMP	
GROUNDING LUG	64

MAX-PASS SOLIDS HANDLING VALUE

- Increased suction lift
- Up to 3/4" solids
- Mounts in any position



METALLIC

Our 1" metallic pumps, available in both stainless steel and aluminum, can be fitted with a wide variety of elastomers to suit your application.



NON-METALLIC

Wetted chambers available in polypropylene or PVDF. Diaphragms available in PTFE, Santoprene® or Viton®. Multiple liquid porting options available.



ALL-PUR FDA PUMPS

Electropolished and passivated 316 SS with FDA approved elastomers and tri-clamps for sanitary applications.

1" (25mm) HEAVY DUTY CLAMPED STYLE PUMP



1" (25mm) HEAVY DUTY CLAMPED STYLE PUMP

Reliable polypropylene air center section combined with non-metallic clamped casing materials ensure maximum chemical compatibility. Available in a variety of materials and options.

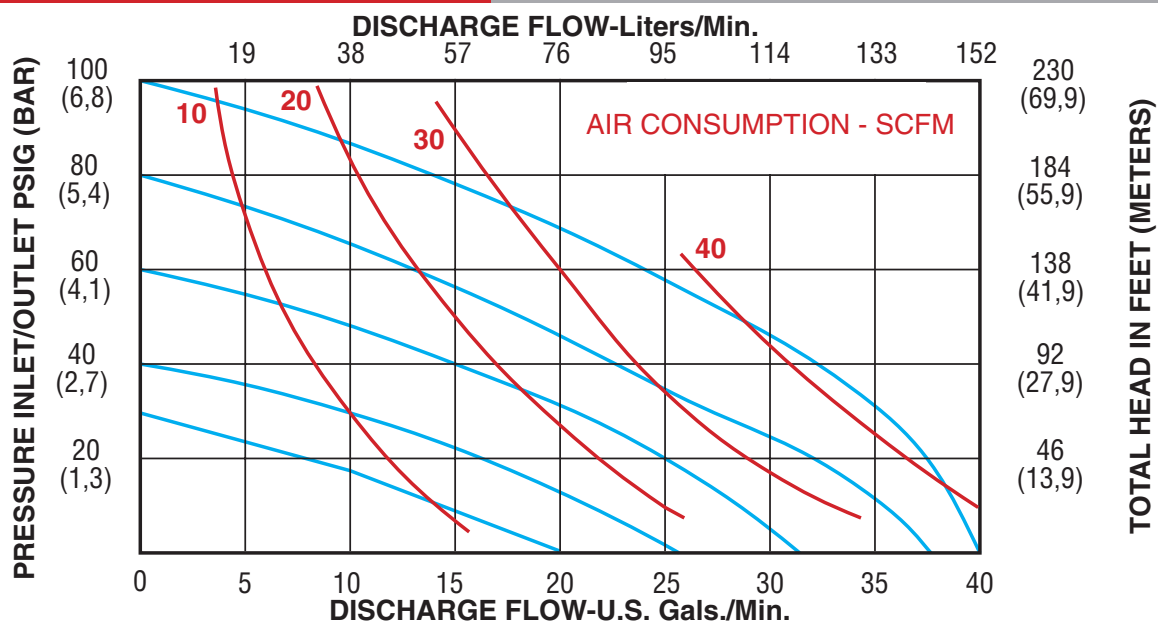
- Suitable for Clean Fluids, Slurries or up to 1/4" Solids
- Heavy Duty Air Valve
- Non-Metallic Wetted Components
- Muffler Included

SPECIFICATIONS

Dimension	
Physical Dimensions	See Drawing Page 76
Air Inlet	1/4"
Liquid Inlet	1" [25 mm]
Liquid Outlet	1" [25 mm]
Weight	See Product Tables
Performance	
Maximum Flow	40 gpm (152 lpm)
Maximum Air Pressure	100 psi (6.8 bar)
Maximum Solids	1/4" (6.4 mm)
Max Suction Lift Dry	15 ft (4.5 m)
Max Suction Lift Wet	26 ft (7.9 m)
Max Suction Lift Dry with PTFE	10 ft (3 m)
Max Temperature	See Product Tables
Noise Level (with muffler)	80 dBA



PERFORMANCE CURVE (Based on water-flooded suction)



1" (25mm) - POLYPROPYLENE - A non-metallic material, suitable for water, caustics, soap solutions, mild acids and general purpose applications. Please consult chemical compatibility tables or www.all-flo.com for your particular application.

PART NUMBER	DIAPHRAGM MATERIAL	VALVE/BALL MATERIAL	VALVE SEAT MATERIAL	O-RING MATERIAL	FASTENER MATERIAL	WEIGHT LBS (KG)	MAX TEMPERATURE °F (°C)	DIMENSIONAL DIAGRAM	CONNECT TYPE
NN-10	Geolast®	Nitrile	Polypropylene	Nitrile	SS & PS	26 (11.8)	150 (66)	Pg. 76	NPT
NC-10	Geolast®	Geolast®	Polypropylene	Nitrile	SS & PS	26 (11.8)	150 (66)	Pg. 76	NPT
BK-10	PTFE	PTFE	Polypropylene	PTFE	SS	26 (11.8)	150 (66)	Pg. 76	NPT
BK-10E	Santoprene®	Santoprene®	Polypropylene	EPDM	SS	26 (11.8)	150 (66)	Pg. 76	NPT
BK-10V	VITON®	Viton®	Polypropylene	Viton®	SS	26 (11.8)	150 (66)	Pg. 76	NPT
NN-10-P15	Geolast®	Nitrile	Polypropylene	Nitrile	SS & PS	26 (11.8)	150 (66)	Pg. 76	BSP
NC-10-P15	Geolast®	Geolast®	Polypropylene	Nitrile	SS & PS	26 (11.8)	150 (66)	Pg. 76	BSP
BK-10-P15	PTFE	PTFE	Polypropylene	PTFE	SS	26 (11.8)	150 (66)	Pg. 76	BSP
BK-10E-P15	Santoprene®	Santoprene®	Polypropylene	EPDM	SS	26 (11.8)	150 (66)	Pg. 76	BSP
BK-10V-P15	VITON®	Viton®	Polypropylene	Viton®	SS	26 (11.8)	150 (66)	Pg. 76	BSP

1" (25mm) - PVDF - Polyvinylidene fluoride suitable in applications requiring the highest purity, strength, and resistance to solvents, acids, and bases. Please consult chemical compatibility tables or www.all-flo.com for your particular application.

PART NUMBER	DIAPHRAGM MATERIAL	VALVE/BALL MATERIAL	VALVE SEAT MATERIAL	O-RING MATERIAL	FASTENER MATERIAL	WEIGHT LBS (KG)	MAX TEMPERATURE °F (°C)	DIMENSIONAL DIAGRAM	CONNECT TYPE
KN-10	PTFE	PTFE	PVDF	PTFE	SS	27 (12.2)	200 (93)	Pg. 75	NPT
KN-10E	Santoprene®	Santoprene®	PVDF	EPDM	SS	27 (12.2)	200 (93)	Pg. 75	NPT
KN-10V	Viton®	Viton®	PVDF	Viton®	SS	27 (12.2)	200 (93)	Pg. 75	NPT
KN-10-P15	PTFE	PTFE	PVDF	PTFE	SS	27 (12.2)	200 (93)	Pg. 75	BSP
KN-10E-P15	Santoprene®	Santoprene®	PVDF	EPDM	SS	27 (12.2)	200 (93)	Pg. 75	BSP
KN-10V-P15	Viton®	Viton®	PVDF	Viton®	SS	27 (12.2)	200 (93)	Pg. 75	BSP

AVAILABLE OPTIONS - Each pump can be configured to suit a particular application. Please see the options section for detailed product information on the following available options.

AIR VALVE OPTIONS		SEE PAGE 67
CYCLE COUNT VALVE		
BALL VALVE OPTIONS		SEE PAGE 67
GEOLAST®	PTFE	
SANTOPRENE®	HEAVY NITRILE	
FDA NITRILE	STAINLESS STEEL	
HARDWARE OPTIONS		SEE PAGE 67
PTFE COATED HARDWARE		
O-RINGS		SEE PAGE 67
PTFE O-RINGS	NITRILE O-RINGS	
EPDM O-RINGS	VITON® O-RINGS	
PORTING OPTIONS		SEE PAGE 68
DUAL SUCTION / DISCHARGE	BSP THREADS	
DISCHARGE UP, AIR INLET		
SUCTION / DOWN, AIR INLET		
VALVE SEAT OPTIONS		SEE PAGE 68
POLYPROPYLENE	NYLON	
PVDF	STAINLESS STEEL	

AVAILABLE ACCESSORIES - Please see the accessories section for detailed product information on the following available accessories.

AIR	SEE PAGE
FILTER/REGULATOR/GAUGE	60
SOLENOID VALVES	60
AIR FLOW CONTROL VALVES	60
NEEDLE VALVE	60
LIQUID	
COMPANION FLANGE KIT	61
SUCTION STRAINER	61
PUMP	
GROUNDING LUG	64

1" (25mm) HEAVY DUTY CLAMPED STYLE DRUM PUMP



1" (25 mm) HEAVY DUTY CLAMPED STYLE DRUM PUMP

Engineered for maximum fluid and chemical compatibility. Heavy duty, non-metallic air section ensures stall free and freeze free operation. Rugged valve system allows operation under a variety of conditions, ranging from clean fluids to slurries, to solids applications. Bolted design provides ease of maintenance and leak free operation. Available in a variety of materials and options.

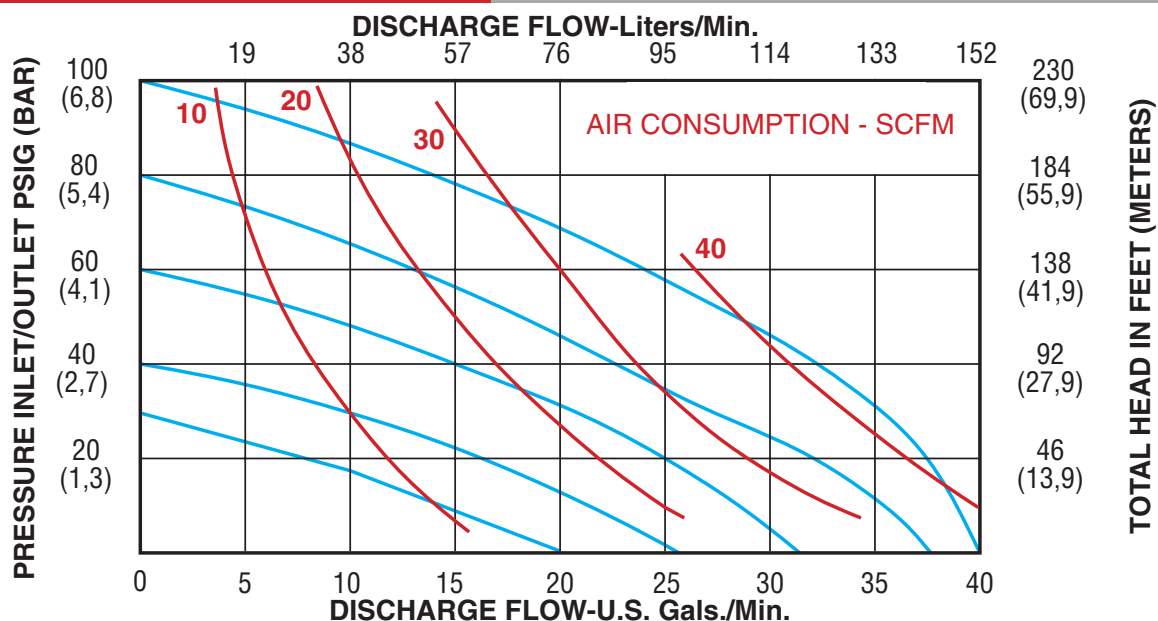
- Suitable for Clean Fluids, Slurries or up to 1/4" Solids
- Includes 40" Suction Tube and Bung Adaptor
- All-Pür FDA Elastomers and Electropassivated Stainless Available
- Heavy Duty Air Valve
- Non-Metallic Wetted Components
- Muffler Included

SPECIFICATIONS

Dimension	
Physical Dimensions	See Drawing Page 76
Air Inlet	1/4"
Liquid Inlet	1" [25 mm]
Liquid Outlet	1" [25 mm]
Weight	See Product Tables
Performance	
Maximum Flow	40 gpm (152 lpm)
Maximum Air Pressure	100 psi (6.8 bar)
Maximum Solids	1/8" (3.2 mm)
Max Suction Lift Dry	15 ft (4.5 m)
Max Suction Lift Wet	26 ft (7.9 m)
Max Suction Lift Dry with PTFE	10 ft (3 m)
Max Temperature	See Product Tables
Noise Level (with muffler)	80 dBA



PERFORMANCE CURVE (Based on water-flooded suction)



1" (25mm) - POLYPROPYLENE - A non-metallic material, suitable for water, caustics, soap solutions, mild acids and general purpose applications. Please consult chemical compatibility tables or www.all-flo.com for your particular application.

PART NUMBER	DIAPHRAGM MATERIAL	VALVE/BALL MATERIAL	VALVE SEAT MATERIAL	O-RING MATERIAL	FASTENER MATERIAL	WEIGHT LBS (KG)	MAX TEMPERATURE °F (°C)	DIMENSIONAL DIAGRAM	CONNECT TYPE
NND-10	Geolast®	Nitrile	Polypropylene	Nitrile	SS	26 (11.8)	150 (66)	Pg. 76	NPT
NCD-10	Geolast®	Geolast®	Polypropylene	Nitrile	SS	26 (11.8)	150 (66)	Pg. 76	NPT
BKD-10	PTFE	PTFE	Polypropylene	PTFE	SS	26 (11.8)	150 (66)	Pg. 76	NPT
BKD-10E	Santoprene®	Santoprene®	Polypropylene	EPDM	SS	26 (11.8)	150 (66)	Pg. 76	NPT
BKD-10V	Viton®	Viton®	Polypropylene	Viton®	SS	26 (11.8)	150 (66)	Pg. 76	NPT

1" (25mm) - PVDF - Polyvinylidene fluoride suitable in applications requiring the highest purity, strength, and resistance to solvents, acids, and bases. Please consult chemical compatibility tables or www.all-flo.com for your particular application.

PART NUMBER	DIAPHRAGM MATERIAL	VALVE/BALL MATERIAL	VALVE SEAT MATERIAL	O-RING MATERIAL	FASTENER MATERIAL	WEIGHT LBS (KG)	MAX TEMPERATURE °F (°C)	DIMENSIONAL DIAGRAM	CONNECT TYPE
KND-10	PTFE	PTFE	PVDF	PTFE	SS	29 (13.2)	200 (93)	Pg. 75	NPT
KND-10E	Santoprene®	Santoprene®	PVDF	EPDM	SS	29 (13.2)	200 (93)	Pg. 75	NPT
KND-10V	Viton®	Viton®	PVDF	Viton®	SS	29 (13.2)	200 (93)	Pg. 75	NPT

AVAILABLE OPTIONS - Each pump can be configured to suit a particular application. Please see the options section for detailed product information on the following available options.

AIR VALVE OPTIONS		SEE PAGE 67
CYCLE COUNT VALVE	SOLENOID ADAPTOR VALVE	
BALL VALVE OPTIONS		SEE PAGE 67
GEOLAST®	PTFE	
SANTOPRENE®	HEAVY NITRILE	
FDA NITRILE	STAINLESS STEEL	
HARDWARE OPTIONS		SEE PAGE 67
PTFE COATED HARDWARE		
O-RINGS		SEE PAGE 67
PTFE O-RINGS	NITRILE O-RINGS	
EPDM O-RINGS	VITON® O-RINGS	
PORTING OPTIONS		SEE PAGE 68
BSP THREADS	ALL PORTS OPEN	
DISCHARGE AIR INLET / EXHAUST		
SUCTION / AIR INLET / EXHAUST		
SUCTION / DISCHARGE LEFT		
SUCTION RIGHT & DISCHARGE LEFT		
SUCTION LEFT & DISCHARGE RIGHT		
VALVE SEAT OPTIONS		SEE PAGE 68
POLYPROPYLENE	NYLON	
PVDF	STAINLESS STEEL	

AVAILABLE ACCESSORIES - Please see the accessories section for detailed product information on the following available accessories.

AIR	SEE PAGE
FILTER / REGULATOR / GAUGE	60
SOLENOID VALVES	60
AIR FLOW CONTROL VALVES	60
NEEDLE VALVE	60
LIQUID	
COMPANION FLANGE KIT	61
SUCTION STRAINER	61
PUMP	
GROUNDING LUG	64

