

## 3/8" INTERMITTENT DUTY CLAMP STYLE PUMP

Reliable polypropylene air center section combined with non-metallic clamped casing and elastomer materials ensure maximum chemical compatibility. Our patented "Max-Pass™" valve system allows operation under a variety of conditions, ranging from clean fluids to slurries. Ideal for low volume clean fluids transfer applications.

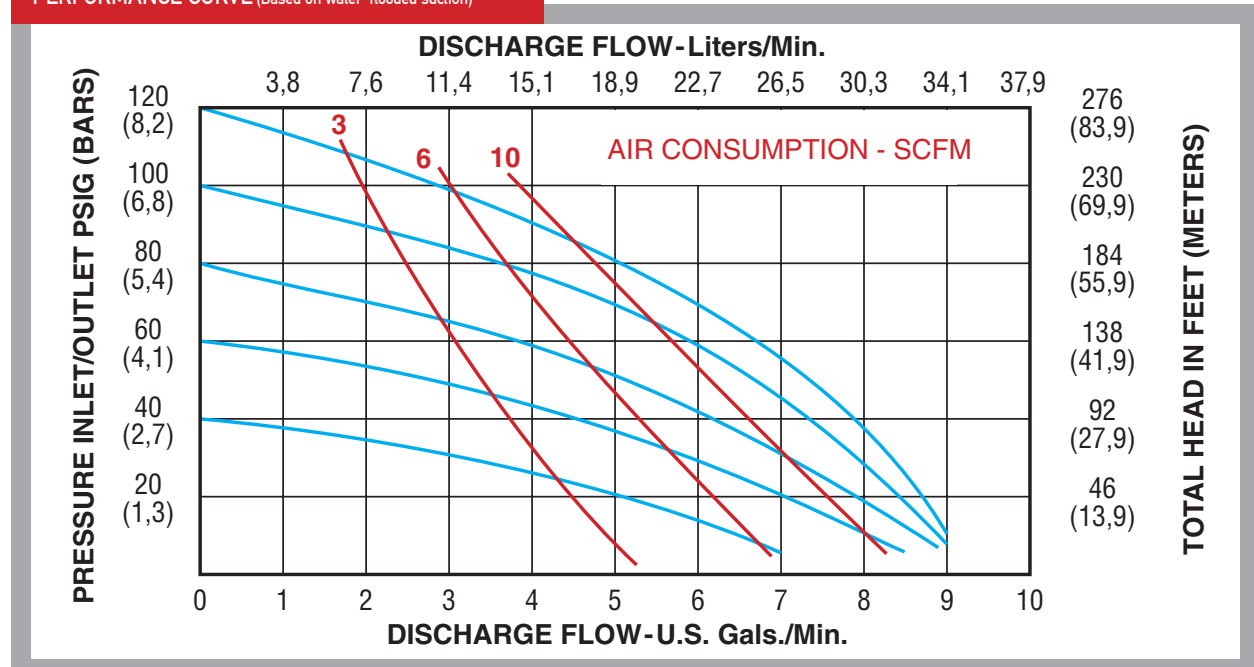
- Suitable for Clean Fluids, Slurries or up to 1/16" Solids
- High Suction Lift
- Muffler Included

## SPECIFICATIONS

Dimension	
Physical Dimensions	See Drawing Page 73
Air Inlet	1/4"
Liquid Inlet	3/8"
Liquid Outlet	3/8"
Weight	See Product Tables
Performance	
Maximum Flow	9 gpm (34.0 lpm)
Maximum Air Pressure	120 psi (8.2 bar)
Maximum Solids	1/16" (1.6 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)	86 dBA
Displacement Per Stroke	0.012 Gallons (0.045 l)



PERFORMANCE CURVE (Based on water-flooded suction)



**3/8" - 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](http://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
PT-038	PTFE	PTFE	Polypropylene	PTFE	SS	3.8 (1.7)	150 (66)	Pg. 73	NPT (BSP)
PB-038-B1	Geolast®	Geolast®	Polypropylene	Nitrile	SS	3.8 (1.7)	150 (66)	Pg. 73	NPT (BSP)
PV-038-B6	PTFE	Viton®	Polypropylene	Viton®	SS	3.8 (1.7)	150 (66)	Pg. 73	NPT (BSP)
PE-038-B3	Santoprene®	Santoprene®	Polypropylene	EPDM	SS	3.8 (1.7)	150 (66)	Pg. 73	NPT (BSP)

**3/8" - 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](http://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
KT-038	PTFE	PTFE	PVDF	PTFE	SS	5 (2.3)	200 (93)	Pg. 73	NPT (BSP)
KV-038-B6	PTFE	Viton®	PVDF	Viton®	SS	5 (2.3)	200 (93)	Pg. 73	NPT (BSP)
KE-038-B3	Santoprene®	Santoprene®	PVDF	EPDM	SS	5 (2.3)	200 (93)	Pg. 73	NPT (BSP)

**3/8" - CONDUCTIVE NYLON** - Stainless steel filled nylon, suitable for most solvents and alcohols. Grounding lugs provided with pump. Please consult chemical compatibility tables or [www.all-flo.com](http://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
CT-038	PTFE	PTFE	SS	PTFE	SS	5 (2.3)	150 (66)	Pg. 73	NPT (BSP)
CB-038-B1	Geolast®	Geolast®	SS	Nitrile	SS	5 (2.3)	150 (66)	Pg. 73	NPT (BSP)
CV-038-B6	PTFE	Viton®	SS	Viton®	SS	5 (2.3)	150 (66)	Pg. 73	NPT (BSP)

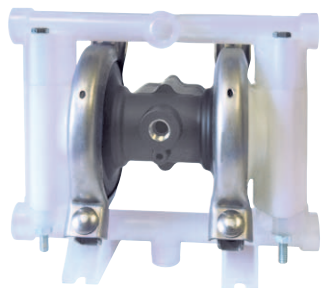
**AVAILABLE OPTIONS** - Each pump can be configured to suit a particular application. Please see the options section for detailed product information on the following available options.

<b>AIR VALVE OPTIONS</b>	SEE PAGE 67	
CYCLE COUNT VALVE	SOLENOID ADAPTOR VALVE	
<b>BALL VALVE OPTIONS</b>	SEE PAGE 67	
GEOLAST®	PTFE	
SANTOPRENE®	STAINLESS STEEL	
<b>HARDWARE OPTIONS</b>	SEE PAGE 67	
PTFE COATED HARDWARE		
<b>O-RINGS</b>	SEE PAGE 67	
PTFE O-RINGS	NITRILE O-RINGS	
EPDM O-RINGS	VITON® O-RINGS	
<b>PORTING OPTIONS</b>	SEE PAGE 68	
DUAL DISCHARGE / SUCTION	ALL PORTS OPEN	
DISCHARGE AIR INLET / EXHAUST		
SUCTION / DOWN		
SUCTION & DISCHARGE LEFT		
SUCTION RIGHT & DISCHARGE LEFT		
SUCTION LEFT & DISCHARGE RIGHT		
<b>VALVE SEAT OPTIONS</b>	SEE PAGE 68	
POLYPROPYLENE	PVDF	
STAINLESS STEEL		
<b>MAX PASS VALVE SOLIDS HANDLING OPTIONS</b>	SEE PAGE 68	
NITRILE	EPDM	VITON®

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

<b>AIR</b>	SEE PAGE
FILTER / REGULATOR / GAUGE	60
SOLENOID VALVES	60
AIR FLOW CONTROL VALVES	60
NEEDLE VALVE	60
<b>PUMP</b>	
PREMIUM MUFFLER	63
GROUNDING LUG	64
METAL MUFFLER	63
DRUM PUMP / DISPENSING UNIT	64

# 3/8" INTERMITTENT DUTY CLAMP STYLE SOLIDS HANDLING PUMP



## 3/8" INTERMITTENT DUTY CLAMP STYLE PUMP

Reliable polypropylene air center section combined with non-metallic clamped casing and elastomer materials ensure maximum chemical compatibility. Our patented "Max-Pass™" valve system allows operation under a variety of conditions, ranging from clean fluids to slurries, to solids applications.

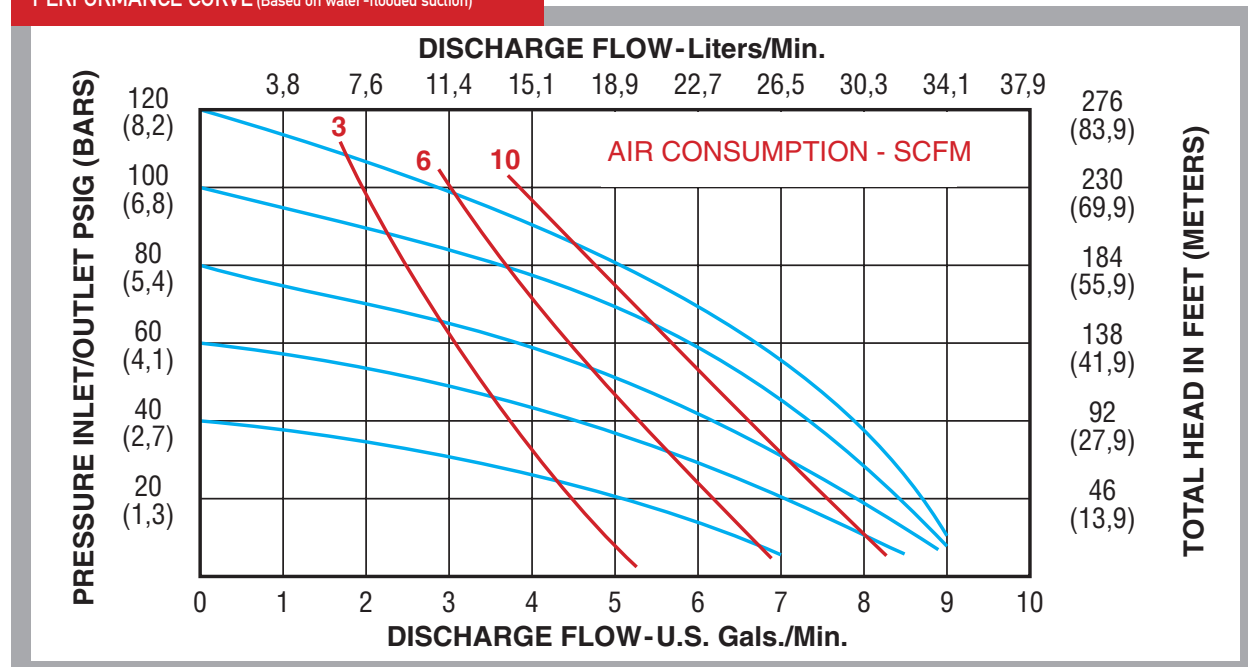
- Suitable for Clean Fluids, Slurries or up to 1/4" Solids
- Mount in any Position
- High Suction Lift
- Muffler Included

## SPECIFICATIONS

Dimension	
Physical Dimensions	See Drawing Page 73
Air Inlet	1/4"
Liquid Inlet	3/8"
Liquid Outlet	3/8"
Weight	See Product Tables
Performance	
Maximum Flow	9 gpm (34.0 lpm)
Maximum Air Pressure	120 psi (8.2 bar)
Maximum Solids	1/4" (6.4 mm)
Max Suction Lift Dry	17 ft (5.2 m)
Max Suction Lift Wet	26 ft (7.9 m)
Max Temperature	See Product Tables
Noise Level (with muffler)	86 dBA
Displacement Per Stroke	0.012 Gallons (0.045 l)



PERFORMANCE CURVE (Based on water-flooded suction)



**3/8" - 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](http://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
PB-038	Geolast®	Nitrile Max-Pass™	N/A	Nitrile	SS	3.8 (1.7)	150 (66)	Pg. 73	NPT (BSP)
PV-038	PTFE	Viton® Max-Pass™	N/A	Viton®	SS	3.8 (1.7)	150 (66)	Pg. 73	NPT (BSP)
PE-038	Santoprene®	EPDM Max-Pass™	N/A	EPDM	SS	3.8 (1.7)	150 (66)	Pg. 73	NPT (BSP)

**3/8" - 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](http://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
KV-038	PTFE	Viton® Max-Pass™	N/A	Viton®	SS	5 (2.3)	200 (93)	Pg. 73	NPT (BSP)
KE-038	Santoprene®	EPDM Max-Pass™	N/A	EPDM	SS	5 (2.3)	200 (93)	Pg. 73	NPT (BSP)

**3/8" - CONDUCTIVE NYLON** - Stainless steel filled nylon, suitable for most solvents and alcohols. Grounding lugs provided with pump. Please consult chemical compatibility tables or [www.all-flo.com](http://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
CB-038	Geolast®	Nitrile Max-Pass™	N/A	Nitrile	SS	5 (2.3)	150 (66)	Pg. 73	NPT (BSP)
CV-038	PTFE	Viton® Max-Pass™	N/A	Viton®	SS	5 (2.3)	150 (66)	Pg. 73	NPT (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	SOLENOID ADAPTOR VALVE
BALL VALVE OPTIONS	SEE PAGE 67
GEOLAST®	PTFE
SANTOPRENE®	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 DISCHARGE / SUCTION	ALL PORTS OPEN
DISCHARGE AIR INLET / EXHAUST	
SUCTION / DOWN	
SUCTION & DISCHARGE LEFT	
SUCTION RIGHT & DISCHARGE LEFT	
SUCTION LEFT & DISCHARGE RIGHT	
MAX-PASS™ VALVE SOLIDS HANDLING OPTIONS	SEE PAGE 68
NITRILE	EPDM
	VITON®

**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
PUMP	
PREMIUM MUFFLER	63
GROUNDING LUG	64
METAL MUFFLER	63
DRUM PUMP	64

# 3/8" INTERMITTENT DUTY CLAMP STYLE DRUM PUMP



## 3/8" INTERMITTENT DUTY CLAMP STYLE DRUM PUMP

Reliable polypropylene air center section combined with non-metallic clamped casing materials ensure maximum chemical compatibility. Our patented "Max-Pass™" valve system allows operation under a variety of conditions, ranging from clean fluids to slurries, to solids applications. Ideal for low volume clean fluids transfer applications.

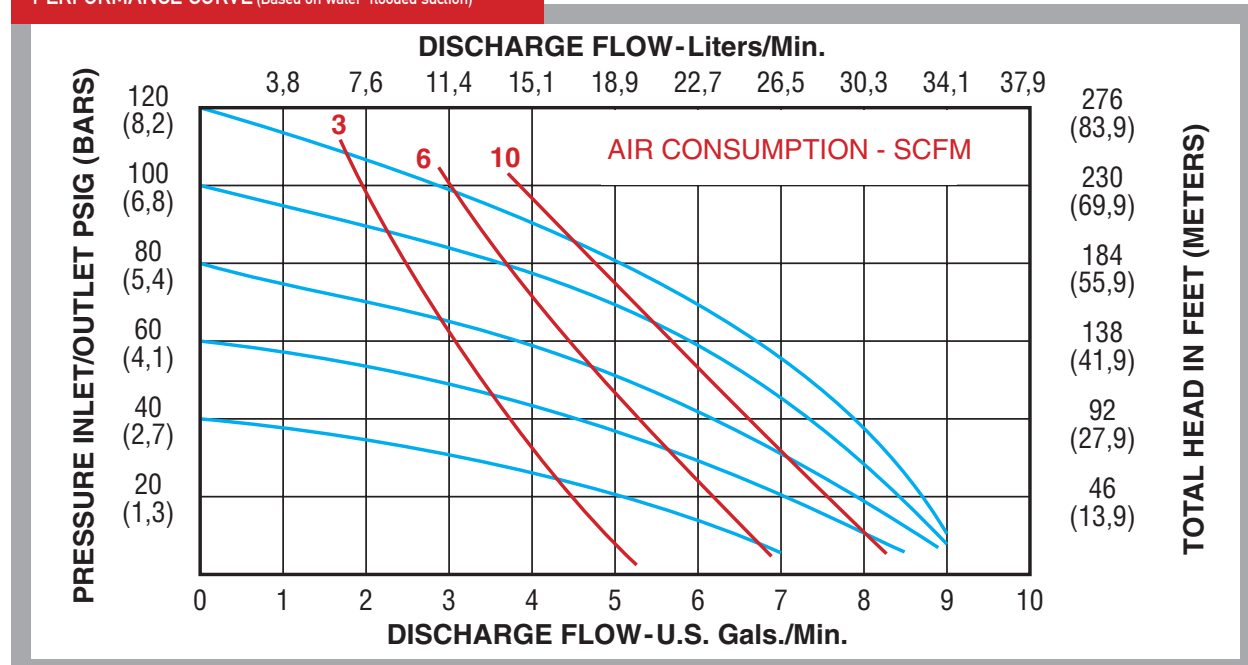
- Suitable for Clean Fluids, Slurries or up to 1/4" Solids (1/16" with PTFE)
- Includes 40" Suction Tube and Bung Adaptor
- Suitable for Clean Fluids, Slurries or Solids Applications
- Muffler Included

## SPECIFICATIONS

Dimension	
Physical Dimensions	See Drawing Page 73
Air Inlet	1/4"
Liquid Inlet	3/8"
Liquid Outlet	3/8"
Weight	See Product Tables
Performance	
Maximum Flow	9 gpm (34.0 lpm)
Maximum Air Pressure	120 psi (8.2 bar)
Maximum Solids	1/4" (6.4 mm)
Max Suction Lift Dry	17 ft (5.2 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)	86 dBA
Displacement Per Stroke	0.012 Gallons (0.045 l)



PERFORMANCE CURVE (Based on water-flooded suction)



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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
PBD-038	Geolast®	Nitrile Max-Pass™	N/A	Nitrile	SS	11 (5.0)	150 (66)	Pg. 73	NPT (BST)
PED-038	PTFE	Viton® Max-Pass™	N/A	Viton®	SS	11 (5.0)	150 (66)	Pg. 73	NPT (BST)
PVD-038	Santoprene®	EPDM Max-Pass™	N/A	EPDM	SS	11 (5.0)	150 (66)	Pg. 73	NPT (BST)
PTD-038	PTFE	PTFE Ball	PVDF	PTFE	SS	11 (5.0)	150 (66)	Pg. 73	NPT (BST)

**3/8" - 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](http://www.all-flo.com) for your particular application.

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KVD-038	PTFE	Viton® Max-Pass™	N/A	Viton®	SS	12 (5.4)	200 (93)	Pg. 73	NPT (BST)
KED-038	Santoprene®	EPDM Max-Pass™	N/A	EPDM	SS	12 (5.4)	200 (93)	Pg. 73	NPT (BST)
KTD-038	PTFE	PTFE Ball	PVDF	PTFE	SS	12 (5.4)	200 (93)	Pg. 73	NPT (BST)

**3/8" - CONDUCTIVE NYLON** - Stainless steel filled nylon, suitable for most solvents and alcohols. Grounding lugs provided with pump. Please consult chemical compatibility tables or [www.all-flo.com](http://www.all-flo.com) for your particular application.

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CBD-038	Geolast®	Nitrile Max-Pass™	N/A	Nitrile	SS	12 (5.4)	150 (66)	Pg. 73	NPT (BST)
CVD-038	PTFE	Viton® Max-Pass™	N/A	Viton®	SS	12 (5.4)	150 (66)	Pg. 73	NPT (BST)
CTD-038	PTFE	PTFE Ball	SS	PTFE	SS	12 (5.4)	150 (66)	Pg. 73	NPT (BST)

**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®	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 DISCHARGE / SUCTION	ALL PORTS OPEN	
DISCHARGE AIR INLET / EXHAUST		
SUCTION / DOWN, AIR INLET / EXHAUST		
SUCTION & DISCHARGE LEFT		
SUCTION RIGHT & DISCHARGE LEFT		
SUCTION LEFT & DISCHARGE RIGHT		
VALVE SEAT OPTIONS		SEE PAGE 68
POLYPROPYLENE	PVDF	
STAINLESS STEEL		
MAX PASS VALVE SOLIDS HANDLING OPTIONS		SEE PAGE 68
NITRILE	EPDM	VITON®

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

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FILTER / REGULATOR / GAUGE	60
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NEEDLE VALVE	60
PUMP	
PREMIUM MUFFLER	63
GROUNDING LUG	64
METAL MUFFLER	63
DRUM PUMP	64