

PUMPMASTER 2, 1:1 STAINLESS STEEL PUMP



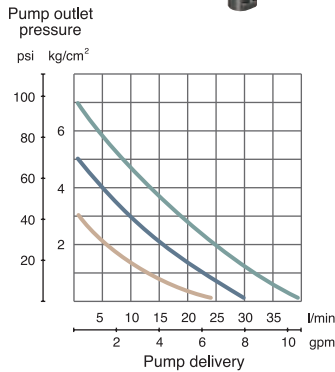
296 SS

Double acting, low pressure and high delivery air operated pumps manufactured in AISI 316 stainless steel. Pumps can be used as transfer pumps or in systems that include pipelines and several outlets even with simultaneous operation. The air motor is divorced from the pump to avoid fluid contamination inside the motor, making this pump compatible with slightly corrosive, low viscosity fluids such as paint solvents, cleaning fluids, anti-freeze (glycol), detergents, grease removers, alcohols, turpentine, petrochemical products, anticorrosion products, light inks, lacquer, wood varnish, etc.

Pumps include bung adapter and a 28" PVC suction tube for use with 55 gallon drums.

Technical data	
Pressure ratio	1:1
Pump tube diameter	2" (52 mm)
Air piston diameter	2" (50 mm)
Air piston stroke	4" (100 mm)
Maximum free flow capacity ¹	11.5 gpm (41 l/min)
Minimum air pressure	40 psi (3 bar)
Maximum air pressure	140 psi (10 bar)
Maximum fluid pressure	140 psi (10 bar)
Air inlet	1/4" BSPT (F)
Fluid outlet	3/4" BSP (F)
Fluid inlet	1" BSP (F)
Wetted parts	AISI 316 stainless steel, PTFE and Viton®

¹ Free delivery at 100 psi air inlet pressure, using water.



- Air inlet pressure 84 psi (6 bar).
- Air inlet pressure 63 psi (4,5 bar).
- Air inlet pressure 42 psi (3 bar).

PUMPMASTER 4, 3:1 STAINLESS STEEL PUMP



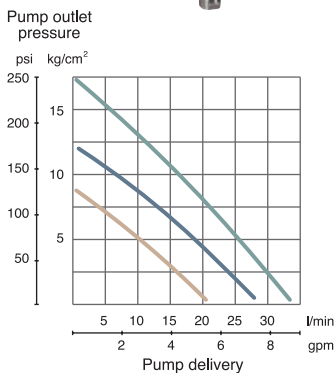
496 SS

Double acting, medium pressure and high delivery air operated pumps manufactured in AISI 316 stainless steel. Pumps can be used in large systems that include pipelines and several outlets even with simultaneous operation. The air motor is divorced from the pump to avoid fluid contamination inside the motor, making this pump compatible with slightly corrosive, low viscosity fluids such as paint solvents, cleaning fluids, anti-freeze (glycol), detergents, grease removers, alcohols, turpentine, petrochemical products, anticorrosion products, light inks, lacquer, wood varnish, etc.

Pumps include bung adapter and a 28" PVC suction tube for use with 55 gallon drums.

Technical data	
Pressure ratio	3:1
Pump tube diameter	2" (52 mm)
Air piston diameter	3.55" (90 mm)
Air piston stroke	4" (100 mm)
Maximum free flow capacity ¹	9.8 gpm (35 l/min)
Minimum air pressure	40 psi (3 bar)
Maximum air pressure	140 psi (10 bar)
Maximum fluid pressure	420 psi (30 bar)
Air inlet	3/8" BSPT (F)
Fluid outlet	3/4" BSP (F)
Fluid inlet	1" BSP (F)
Wetted parts	AISI 316 stainless steel, PTFE and Viton®

¹ Free delivery at 100 psi air inlet pressure, using water.



- Air inlet pressure 84 psi (6 bar).
- Air inlet pressure 63 psi (4,5 bar).
- Air inlet pressure 42 psi (3 bar).

POLY 1/4" DIAPHRAGM PUMP

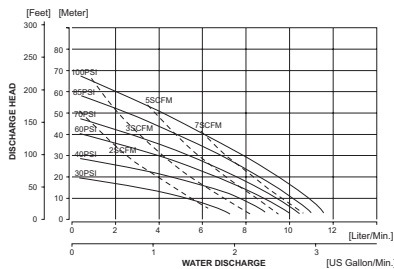
Model 2825 - 1/4" PORTS 3.1 GPM MAX FLOW RATE



Air operated 1:1 ratio double diaphragm pump constructed with polypropylene chambers and equipped with Teflon diaphragms and balls. Air motor center section features Ryton construction with a long life patented self lubricated Ekonol® ring spool valve utilizing a unique stainless non-centering spring and reset button. Air inlet ball valve included with pump.

Technical Data

Pressure Ratio	1:1
Wetted Materials	Polypropylene, Teflon
Maximum Liquid Temperature	180°F (82°C)
Maximum Vertical Suction Head	5 Feet (1.6M)
Maximum Free Flow Capacity	3.1 GPM (11.5LPM) @ 100PSI
Minimum Air Pressure	20PSI
Maximum Air Pressure	100PSI
Maximum Fluid Pressure	100PSI
Maximum Cycles per Minute	400
Discharge Volume Per Cycle	.0078 gallons (29cc)
Air Inlet	1/4" NPTF
Air Outlet (Internal Muffler)	3/8" NPTF
Fluid Inlet	1/4" NPTF
Fluid Outlet	1/4" NPTF
Mounting Hole X	3.86" X 3.23"
dB(A) @ 45PSI	65
dB(A) @ 70PSI	72
Dimensions	6.10" X 5.87"
Shipping Weight	4.0 LBS
Net Weight	3.0 LBS



POLY 3/8" DIAPHRAGM PUMP

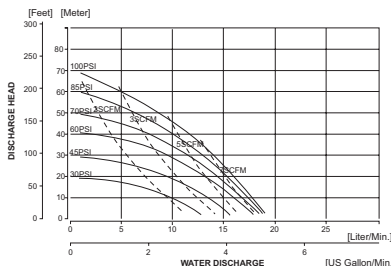
Model 2827 - 3/8" PORTS 5 GPM MAX FLOW RATE



Air operated 1:1 ratio double diaphragm pump constructed with polypropylene chambers and equipped with Buna-N diaphragms and balls. Air motor center section features Aluminum construction with a long life patented self lubricated Ekonol® ring spool valve utilizing a unique stainless non-centering spring and reset button. Air inlet ball valve included with pump.

Technical Data

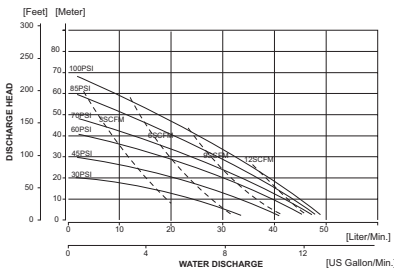
Pressure Ratio	1:1
Wetted Materials	Polypropylene, Buna N (NBR)
Maximum Liquid Temperature	180°F (82°C)
Maximum Vertical Suction Head	10 Feet (2.2M)
Maximum Free Flow Capacity	5 GPM (18.5LPM) @ 100PSI
Maximum Solid size	1/32" (1 mm)
Minimum Air Pressure	20PSI
Maximum Air Pressure	100PSI
Maximum Fluid Pressure	100PSI
Maximum Cycles per Minute	300
Discharge Volume Per Cycle	0.020 gallons (76cc)
Air Inlet	1/4" NPTF
Air Outlet (External Muffler)	3/8" NPTF
Fluid Inlet	3/8" NPTF
Fluid Outlet	3/8" NPTF
Mounting Hole X	5.79" X 3.62"
dB(A) @ 45PSI	77
dB(A) @ 70PSI	82
Dimensions	7.72" X 7.32"
Shipping Weight	8.8 LBS
Net Weight	6.8 LBS



POLY 1/2" DIAPHRAGM PUMP

Model 2829 - 1/2" PORTS 13.5 GPM MAX FLOW RATE

Air operated 1:1 ratio double diaphragm pump constructed with polypropylene chambers and equipped with Buna-N diaphragms and balls. Air motor center section features Ryton construction with a long life patented self lubricated Ekonol® ring spool valve utilizing a unique stainless non-centering spring and reset button. Air inlet ball valve included with pump.

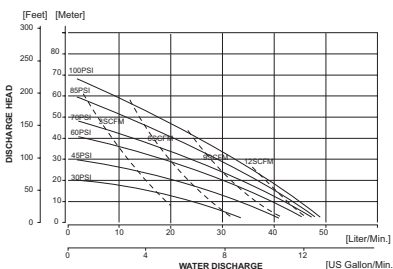


Technical Data	
Pressure Ratio	1:1
Wetted Materials	Polypropylene, Buna N (NBR)
Maximum Liquid Temperature	180°F (82°C)
Maximum Vertical Suction Head	5 Feet (1.6M)
Maximum Free Flow Capacity	13.5 GPM (49.4LPM) @ 100PSI
Maximum Solid size	1/32" (1 mm)
Minimum Air Pressure	20PSI
Maximum Air Pressure	100PSI
Maximum Fluid Pressure	100PSI
Maximum Cycles per Minute	400
Discharge Volume Per Cycle	0.0338 gallons (128cc)
Air Inlet	1/4" NPTF
Air Outlet (External Muffler)	3/8" NPTF
Fluid Inlet	1/2" NPTF
Fluid Outlet	1/2" NPTF
Mounting Hole X	4.53" X 4.80"
dB(A) @ 45PSI	75
dB(A) @ 70PSI	77.5
Dimensions	7.60" X 8.66"
Shipping Weight	9.5 LBS
Net Weight	7.7 LBS

ALUMINUM 1/2" DIAPHRAGM PUMP

Model 2831 - 1/2" PORTS 13.5 GPM MAX FLOW RATE

Air operated 1:1 ratio double diaphragm pump constructed with aluminum chambers and equipped with Buna-N diaphragms and balls. Air motor center section features Ryton construction with a long life patented self lubricated Ekonol® ring spool valve utilizing a unique stainless non-centering spring and reset button. Air inlet ball valve included with pump.



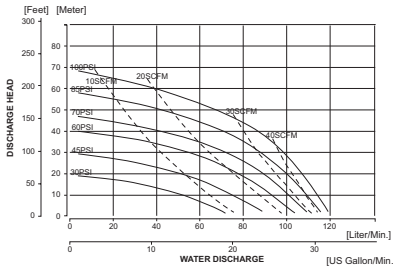
Technical Data	
Pressure Ratio	1:1
Wetted Materials	Aluminum, Buna N (NBR)
Maximum Liquid Temperature	180°F (82°C)
Maximum Vertical Suction Head	5 Feet (1.6M)
Maximum Free Flow Capacity	13.5 GPM (49.4LPM) @ 100PSI
Maximum Solid size	1/32" (1 mm)
Minimum Air Pressure	20PSI
Maximum Air Pressure	100PSI
Maximum Fluid Pressure	100PSI
Maximum Cycles per Minute	400
Discharge Volume Per Cycle	0.0338 gallons (128cc)
Air Inlet	1/4" NPTF
Air Outlet (External Muffler)	3/8" NPTF
Fluid Inlet	1/2" NPTF
Fluid Outlet	1/2" NPTF
Mounting Hole X	4.13" X 4.8"
dB(A) @ 45PSI	68.5
dB(A) @ 70PSI	74
Dimensions	7.32" X 8.66"
Shipping Weight	11 LBS
Net Weight	9 LBS

ALUMINUM 1" DIAPHRAGM PUMP



Model 2833 - 1" SIDE PORTS 31.7 GPM MAX FLOW RATE
Model 2834 - 1" SIDE PORTS 31.7 GPM MAX FLOW RATE - UL Listed

Air operated 1:1 ratio double diaphragm pump constructed with aluminum chambers and equipped with Buna-N diaphragms and balls. Air motor center section features aluminum construction with a long life patented self lubricated Ekonol® ring spool valve utilizing a unique stainless non-centering spring and reset button. Air inlet ball valve included with pump.



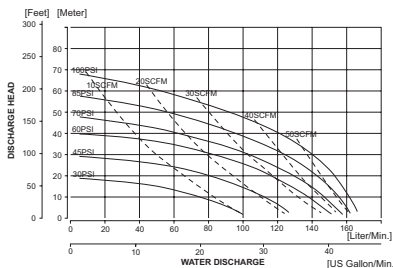
Technical Data	
Pressure Ratio	1:1
Wetted Materials	Aluminum, Buna N (NBR)
Maximum Liquid Temperature	180°F (82°C)
Maximum Vertical Suction Head	18 Feet (6M)
Maximum Free Flow Capacity	31.7 GPM (120LPM) @ 100PSI
Maximum Solid size	1/16" (2 mm)
Minimum Air Pressure	20PSI
Maximum Air Pressure	100PSI
Maximum Fluid Pressure	100PSI
Maximum Cycles per Minute	195
Discharge Volume Per Cycle	0.163 gallons (615cc)
Air Inlet	3/8" NPTF
Air Outlet (External Muffler)	3/4" NPTF
Fluid Inlet	1" NPTF Side Port
Fluid Outlet	1" NPTF Side Port
Mounting Hole X	7.68" X 5.51"
dB(A) @ 45PSI	84
dB(A) @ 70PSI	89
Dimensions	12.52" X 9.80"
Shipping Weight	23 LBS
Net Weight	19.8 LBS

ALUMINUM 1" DIAPHRAGM PUMP



Model 2835 - 1" PORTS 46.2 GPM MAX FLOW RATE

Air operated 1:1 ratio double diaphragm pump constructed with aluminum chambers and equipped with Buna-N diaphragms and balls. Air motor center section features aluminum construction with a long life patented self lubricated Ekonol® ring spool valve utilizing a unique stainless non-centering spring and reset button. Air inlet ball valve included with pump.

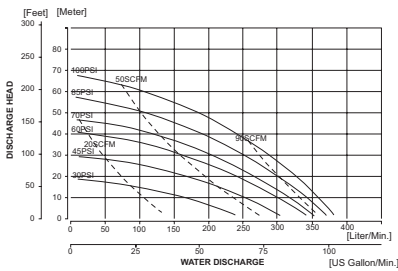


Technical Data	
Pressure Ratio	1:1
Wetted Materials	Aluminum, Buna N (NBR)
Maximum Liquid Temperature	180°F (82°C)
Maximum Vertical Suction Head	18 Feet (6M)
Maximum Free Flow Capacity	46.2 GPM (175 LPM) @ 100PSI
Maximum Solid size	3/16" (4.8 mm)
Minimum Air Pressure	20PSI
Maximum Air Pressure	100PSI
Maximum Fluid Pressure	100PSI
Maximum Cycles per Minute	210
Discharge Volume Per Cycle	0.22 gallons (833cc)
Air Inlet	3/8" NPTF
Air Outlet (External Muffler)	3/4" NPTF
Fluid Inlet	1" NPTF
Fluid Outlet	1" NPTF
Mounting Hole X	8.74" X 6.69"
dB(A) @ 45PSI	84.5
dB(A) @ 70PSI	92
Dimensions	12.48" X 11.30"
Shipping Weight	31 LBS
Net Weight	27 LBS

ALUMINUM 1 1/2" DIAPHRAGM PUMP

Model 2838 - 1 1/2" PORTS 107 GPM MAX FLOW RATE

Air operated 1:1 ratio double diaphragm pump constructed with aluminum chambers and equipped with Buna-N diaphragms and balls. Air motor center section features aluminum construction with a long life patented self lubricated Ekonol® ring spool valve utilizing a unique stainless non-centering spring and reset button. Air inlet ball valve included with pump.

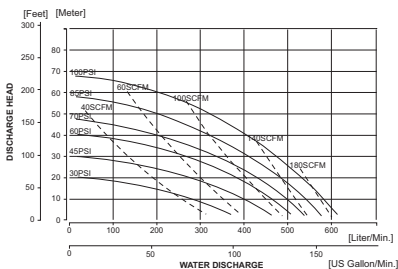


Technical Data	
Pressure Ratio	1:1
Wetted Materials	Aluminum, Buna N (NBR)
Maximum Liquid Temperature	180°F (82°C)
Maximum Vertical Suction Head	18 Feet (6M)
Maximum Free Flow Capacity	107 GPM (375 LPM) @ 100PSI
Maximum Solid size	9/32" (7 mm)
Minimum Air Pressure	20PSI
Maximum Air Pressure	100PSI
Maximum Fluid Pressure	100PSI
Maximum Cycles per Minute	148
Discharge Volume Per Cycle	0.73 gallons (2.74 L)
Air Inlet	1/2" NPTF
Air Outlet (External Muffler)	1" NPTF
Fluid Inlet	1.5" ANSI B16.5 150# with 1.5" NPTF tapped threads
Fluid Outlet	1.5" ANSI B16.5 150# with 1.5" NPTF tapped threads
Mounting Hole X	7.87" X 10.47"
dB(A) @ 45PSI	89
dB(A) @ 70PSI	93.5
Dimensions	16.22" X 27.91"
Shipping Weight	75 LBS
Net Weight	68 LBS

ALUMINUM 2" DIAPHRAGM PUMP

Model 2840 - 2" PORTS 164 GPM MAX FLOW RATE

Air operated 1:1 ratio double diaphragm pump constructed with aluminum chambers and equipped with Buna-N diaphragms and balls. Air motor center section features aluminum construction with a long life patented self lubricated Ekonol® ring spool valve utilizing a unique stainless non-centering spring and reset button. Air inlet ball valve included with pump.



Technical Data	
Pressure Ratio	1:1
Wetted Materials	Aluminum, Buna N (NBR)
Maximum Liquid Temperature	180°F (82°C)
Maximum Vertical Suction Head	19 Feet (1.6M)
Maximum Free Flow Capacity	164 GPM (600LPM) @ 100PSI
Maximum Solid size	5/16" (8 mm)
Minimum Air Pressure	20PSI
Maximum Air Pressure	100PSI
Maximum Fluid Pressure	100PSI
Maximum Cycles per Minute	146
Discharge Volume Per Cycle	1.12 gallons (4.25L)
Air Inlet	3/4" NPTF
Air Outlet (External Muffler)	1" NPTF
Fluid Inlet	2" ANSI B16.5 150# with 2" NPTF tapped threads
Fluid Outlet	2" ANSI B16.5 150# with 2" NPTF tapped threads
Mounting Hole X	4.57" X 11.30"
dB(A) @ 45PSI	88
dB(A) @ 70PSI	93
Dimensions	17.68" X 30.67"
Shipping Weight	99 LBS
Net Weight	88 LBS

DIAPHRAGM PUMP ACCESSORIES

Optional Accessories

Pump Model No.	Wall Mount Bracket	Pressure Relief Kit	Air Filter/Reg combo	50/50 inlet mixing manifold	Drum Mount Kit	Hose Connection Kit*
2825	360100	107004	955	N/A	N/A	922000
2827	360100	107006	955	N/A	N/A	923000
2829	360109	107008	955	2805	208602	949000
2831	360109	107008	955	2805	208602	949000
2833	360109	107016	957	2807	N/A	961000
2834	360109	107016	957	2807	N/A	961000
2835	360131	107016	957	2810	N/A	961000
2838	N/A	107024	958	N/A	N/A	961015
2840	N/A	107032	952	N/A	N/A	961020

A low pressure ball-valve is included with each pump to control air supply.



***Hose Connection Kit Breakdowns**

Hose Kit Model No.	Product Inlet/Outlet Hose Model No.	Hose Liner Material	Product Hose End Material	Product Hose Fittings	Air Hose Model Number
922000	802000 – 5' x 1/4"	Teflon	Nylon	¼" NPTM BE	802 – 5' x 1/4"
923000	813000 – 5' x 3/8"	Buna-N	Nylon	3/8" NPTM BE	802 – 5' x 1/4"
949000	823000 – 5' x 1/2"	Buna-N	Nylon	½" NPTM BE	802 – 5' x 1/4"
961000	863405 – 5' x 1"	Buna-N	Nylon	1" NPTM BE	813 – 5' x 3/8"
961015	863505 – 5' x 1 1/2"	Buna-N	Nylon	1 ½" NPTM BE	823 – 5' x 1/2"
961020	863605 – 5' x 2"	Buna-N	Nylon	2" NPTM BE	857405 – 5' x 3/4"

Diaphragm pump hose kit includes a quantity of three five foot long hoses: one inlet and one outlet product hose and one air hose. Product hose liners are matched to the pump diaphragm material for full compatibility, and have plastic end fittings. Air hoses have EPDM liners and zinc plated steel ends.

WALL MOUNT BRACKETS



Steel bracket for wall mounting of diaphragm pump. Model 360 109 shown.

PRESSURE RELIEF VALVE



0-250 psi adjustable pressure relief valve kit sized to fit pump. Manufactured in aluminum with Buna N diaphragm and brass fittings. Includes line mounting tee and tank return line.

DUAL INLET MANIFOLD



Dual inlet manifold kit. Enables pump to pull product from two separate reservoirs and output a 50/50 mixture. Poly model 2805 shown. Models 2807 and 2810 are similar, but in aluminum.

DRUM MOUNTING KIT

The drum mount kit allows you to mount a diaphragm pump to a standard bung opening with a unique polypropylene suction kit.