

SHURFLO® 2087 SERIES DIAPHRAGM PUMPS

Automatic-Demand Pump 12 VDC with Electrical Package



2087-593-135
(Front and Back Shown)

These models include an aesthetically-pleasing molded assembly, housing a rocker-type manual switch with international on/off switch symbols. Wiring is neatly routed into the molded assembly through form fitted entries and strain relieved inside the housing.

- ◆ Self-priming up to 12 vertical feet [3.7m]
- ◆ Chemical-resistant materials
- ◆ Can run dry without damage
- ◆ Rocker switch protected from the elements by a clear boot
- ◆ Built-in on/off switch included
- ◆ 2 pin connector on power lead

ORDER INFORMATION

Part Number	Max GPM	Max LPM	Max PSI	Max BAR	Port Size	Max Draw	Description	Model	PSI	BAR	GPM	L/min	Amps
2087-593-135 †	3	11.4	50	3.4	1/2" MSPT* Male	8	Standard Demand Pump: Viton® valves, Santoprene® diaphragm, 45 PSI (3.1 bar) demand switch	2087-593-135	10	0.7	2.80	10.6	5.3
									20	1.4	2.69	10.2	5.5
									30	2.1	2.36	8.9	6.7
									40	2.8	2.05	7.8	7.7
									50	3.4	1.42	5.4	8.0

* 1/2" - 14 National American Straight Pipe Thread
† Packaged in quantities of 6. For single pack, replace "135" with "435."

SHURFLO® 2088 SERIES DIAPHRAGM PUMPS

Automatic-Demand Pump 12 VDC



2088-343-135

Shurflo 2088 Series diaphragm pumps deliver reliable performance in high flow, moderate pressure applications. They are used in a variety of spot spraying, multi-nozzle spraying and fertilizer drip applications that require flows of up to 3.6 GPM [13.6 L/min]. They are available in a variety of chemical-resistant materials.

- ◆ Self-priming up to 12 vertical feet [3.7m]
- ◆ Chemical-resistant materials
- ◆ Can run dry without damage
- ◆ Automatic demand
- ◆ Built-in check valve (varies by model) prevents back flow of fluid into the solution tank
- ◆ Continuous duty motor on fin-cooled version

ORDER INFORMATION

Part Number	Max GPM	Max LPM	Max PSI	Max BAR	Port Size	Max Draw	Description	Model	PSI	BAR	GPM	L/min	Amps
2088-313-145	3.6	13.6	40	2.8	1/2" MSPT* Male	9.5	Standard Pump: with fin cooled motor Viton® valves, Santoprene® diaphragm, 45 PSI (3.1 bar) demand switch	2088-313-145	10	0.7	3.09	11.7	6.4
									20	1.4	2.82	10.7	7.6
									30	2.1	2.49	9.4	8.7
									40	2.8	2.15	8.1	9.5
2088-443-144	3.5	13.2	45	3.1	1/2" MSPT* Male	9.1	Standard Pump: Santoprene® valves, Santoprene® diaphragm, 45 PSI (3.1 bar) demand switch	2088-443-144	10	0.7	2.83	10.7	5.8
									20	1.4	2.56	9.7	7.0
									30	2.1	2.31	8.7	8.0
									40	2.8	2.02	7.6	9.1
2088-343-135 †	3	11.4	40	2.8	1/2" MSPT* Male	7.7	Standard Pump: Viton® valves, Santoprene® diaphragm, 45 PSI (3.1 bar) demand switch	2088-343-135	10	0.7	2.80	10.6	5.3
									20	1.4	2.69	10.2	5.5
									30	2.1	2.36	8.9	6.7
									40	2.8	2.05	7.8	7.7

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SHURFLO® 2088 SERIES DIAPHRAGM PUMPS

No Control Pumps 12 VDC



2088-343-500

Shurflo 2088 Series diaphragm pumps deliver reliable performance in high flow, moderate pressure applications. They are used in a variety of spraying and transferring applications that require flows of up to 3.3 GPM [12.5 L/min]. They are available in a variety of chemical-resistant materials. They can be mounted in any position and are designed for easy maintenance.

- ◆ Self-priming up to 12 vertical feet [3.7m]
- ◆ Chemical-resistant materials
- ◆ Can run dry without damage
- ◆ Built-in check valve (may vary by models) prevents back flow of fluid through the pump
- ◆ Relief valve in the system required.

ORDER INFORMATION

Part Number	Max GPM	Max LPM	Max PSI	Max BAR	Port Size	Max Draw	Description	Model	PSI	BAR	GPM	L/min	Amps
2088-343-170	3.3	12.5	50	3.4	1/2" MSPT* Male	9.1	Front Adapter Pump with Electrical Package: Viton® valves, Santoprene® diaphragm, 1/4" FPT adapter mounted on switch port, built-in on/off power switch, fuse holder pre-wired w/2-wire molded connector, no demand switch	2088-343-170	10	0.7	3.00	11.3	5.0
								30	2.1	2.38	9.0	7.5	
								40	2.8	2.14	8.1	8.3	
								50	3.4	1.86	7.0	9.1	
2088-343-500	3.3	12.5	50	3.4	1/2" MSPT* Male	10.1	Front Adapter Pump: Viton® valves, Santoprene® diaphragm, 1/4" FPT adapter mounted on switch port, no demand switch	2088-343-500	10	0.7	2.79	10.6	5.8
								30	2.1	2.26	8.6	8.3	
								40	2.8	1.99	7.5	9.3	
								50	3.4	1.69	6.4	10.1	

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SHURFLO® 2088 SERIES DIAPHRAGM PUMPS

Automatic-Demand Pumps 115 & 230 VAC



2088-394-144

These Shurflo 2088 Series pumps offer the same reliability as the 12 VDC version except in 115 or 230 VAC capacity. They are used in a variety of spot spraying, mini-bulk transfer and fertilizer applications that require flows of up to 3.2 GPM [12.1 L/min]. They are available in a variety of chemical-resistant materials.

- ◆ Self-priming up to 12 vertical feet [3.7m]
- ◆ Chemical-resistant materials
- ◆ Can run dry without damage
- ◆ Automatic demand
- ◆ Built-in check valve (may vary by model) prevents back flow of fluid into the solution tank

ORDER INFORMATION

Part Number	Max GPM	Max LPM	Max PSI	Max BAR	Port Size	Max Draw	Description	Model	PSI	BAR	GPM	L/min	Amps
2088-394-144	3	11.4	40	2.8	1/2" MSPT* Male	0.7	115 VAC Pump with 6' power cord: Viton® valves, Santoprene® diaphragm, 45 PSI (3.1 bar) demand switch	2088-394-144	10	0.7	2.40	9.1	.55
								20	1.4	2.20	8.3	.60	
								30	2.1	1.90	7.2	.65	
								40	2.8	1.60	6.0	.70	
2088-394-154	3.2	12.1	40	2.8	1/2" MSPT* Male	0.98	115 VAC Pump: Viton® valves, Santoprene® diaphragm, 45 PSI (3.1 bar) demand switch	2088-394-154	10	0.7	2.71	10.2	.65
								20	1.4	2.41	9.1	.77	
								30	2.1	2.10	8.0	.89	
								40	2.8	1.84	7.0	.98	
2088-564-144	3.0	11.3	50	3.4	1/2" MSPT* Male	0.6	230 VAC Pump: Santoprene® valves, Santoprene® diaphragm, 45 PSI (3.1 bar) demand switch	2088-564-144	10	0.7	2.80	10.6	0.35
								20	1.4	2.50	9.5	0.45	
								30	2.1	2.20	8.3	0.50	
								40	2.8	2.00	7.6	0.55	
								50	3.4	1.70	6.4	0.60	

*1/2" - 14 National American Straight Pipe Thread

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