

# 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 <sup>†</sup>	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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Viton® is a registered trademark of DuPont. Hypro® is a registered trademark of Pentair Ltd.

# 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
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
2088-343-500	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

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

Model	PSI	BAR	GPM	L/min	Amps
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	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

# 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
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
2088-394-154	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
2088-564-144	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

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Model	PSI	BAR	GPM	L/min	Amps
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	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	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