



APPLICATION

A variety of water and chemical transfer and pressure applications. Other uses may include general water transfer. Benefits include a heavy-duty, thermally protected, CE compliant sealed motor and a self-priming 4-chamber design. This pump has a unique co-molded diaphragm and can run dry without damage.

PUMP DESIGN

Type: 4 Chamber Diaphragm pump
 Ports: ½"-14 NPSM-Male
 Liquid: 130°F [54°C] Max
 Dry-Prime: 6 feet [1.82 M]
 Run Dry: Yes
 Inlet Pressure: 30 PSI Max. [2.06 Bar]

ELECTRICAL

Motor: 12V DC Permanent Magnet, Intermittent Duty
 Protection: Thermal Overload, Automatic Restart
 Leads: 14 AWG, 14 ¾" [37 cm] Red +, Black -
 Fuse: 20 Amp Recommended
 Control: Shut-Off: 60 PSI [4.1 Bar] ± 2 PSI [0.13 Bar]
 Re-start: 45 PSI [3.1 Bar] ± 2 PSI [0.13 Bar]

MATERIALS OF CONSTRUCTION

Housings: Polypropylene
 Valves/Seals: VITON
 Diaphragm: Santoprene/Polypropylene, Co-Molded
 Hardware: Stainless Steel and Zinc Plated Steel

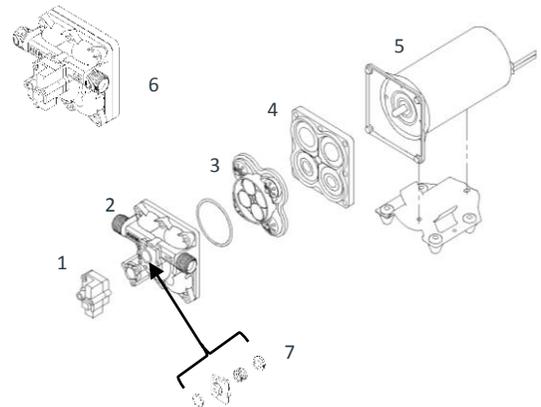
AGENCY APPROVALS

Ignition Protection 8846, CE

SHIPPING INFORMATION

Net Weight: 7.9 Pounds [3.5 Kg] ea.
 Carton Qty.: 6
 Carton Weight: 50 Lbs. [22.6 Kg]
 Carton Size: 24"L X 18"W X 6"H [61cm x 46cm x 15cm]

REPAIR KITS



Number	Description	Part Number
1	Pressure Switch	94-910-02
1,2	Upper Assembly	94-910-01
3	Valve Assembly	94-910-05
4	Drive Assembly	94-910-04
5	Motor/Gasket	94-71-000-17
6 (1,2,3,4,7)	Pump Head	94-910-00
7	Check Valve	94-910-03
Not Shown	Upper Housing	94-21-1551-00

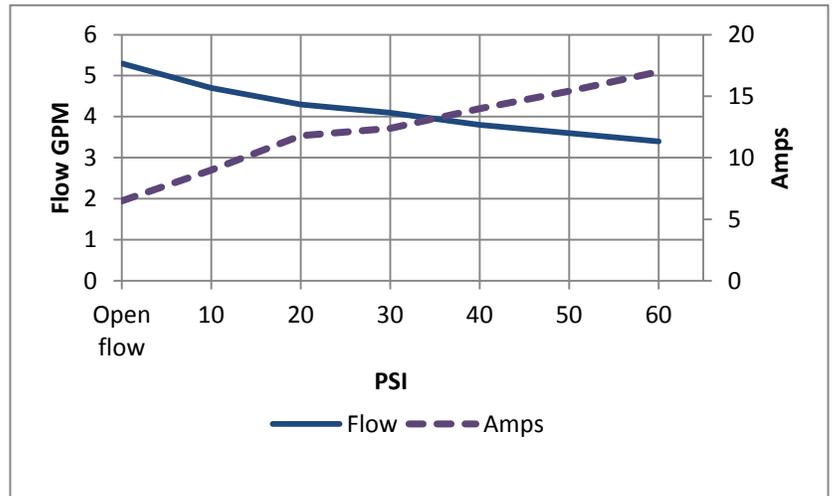
SHURFLO® 5000 SERIES PUMPS

*PERFORMANCE

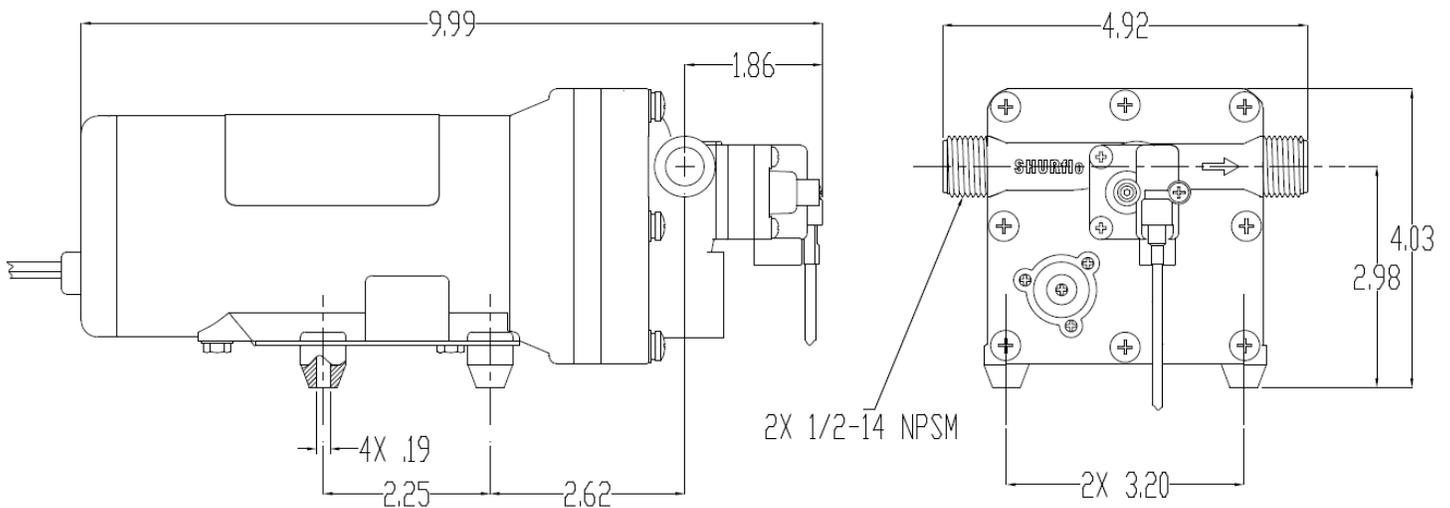
TYPICAL PERFORMANCE AT 12V

PRESSURE		FLOW		CURRENT
BAR	PSI	GPM	LPM	AMPS
0	0	5.3	20	6.5
0.7	10	4.7	17.7	9.0
1.4	20	4.3	16.2	11.8
2.1	30	4.1	15.5	12.4
2.8	40	3.8	14.3	14.0
3.4	50	3.6	13.6	15.4
4.1	60	3.4	12.8	17.0

*Typical Performance is for informational purposes only and can vary and should not be considered a design specification.



DIMENSIONS



FLOW MANAGEMENT SOLUTIONS

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SHURFLO® 5000 SERIES

5 GPM Diaphragm Pumps

Features & Benefits

- Delivers 5.3 GPM [20.1 L/min] free flow
- Field-proven pump head design
- Driven by a 12-volt, SHURflo built sealed motor
- Self-priming capabilities, up to 8 feet [2.4 m]
- Santoprene® diaphragm for chemical resistance and maximum life
- Viton® valves provide maximum chemical resistance
- Automatic demand versions with built-in pressure switch, set at 60 PSI [4.14 bar]
- Bypass versions set at 90 psi [5.86 bar], for applications where a demand switch is not desired
- Available in the same footprint as other SHURflo pumps, allowing users to upgrade to a higher performance on existing installations
- Available with male 1/2" NPS or female 1/2" NPT ports



5059-1310-D011



5059-3611-D011



Designed for heavy-duty spraying and fluid transfer applications:

- Spot spraying
- Liquid fertilizer application
- Multi-tip spraying
- Foam marking
- General purpose



OEM's #1 choice in Diaphragm pumps for Agriculture and Turf Maintenance Applications



To order retail box versions, change part number suffix from "D011" to "D012".

SHURFLO® 5000 SERIES

Specifications

Order Information

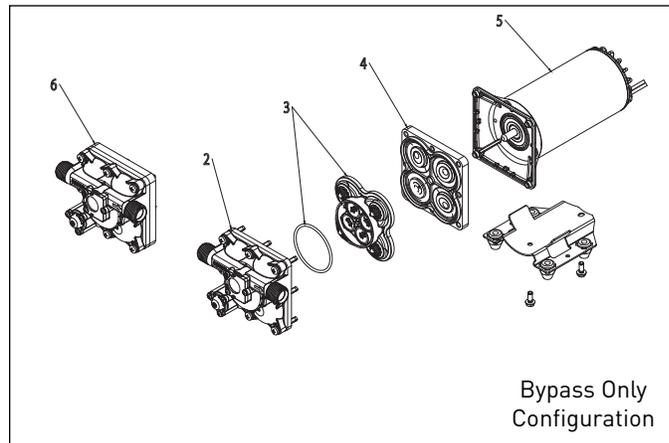
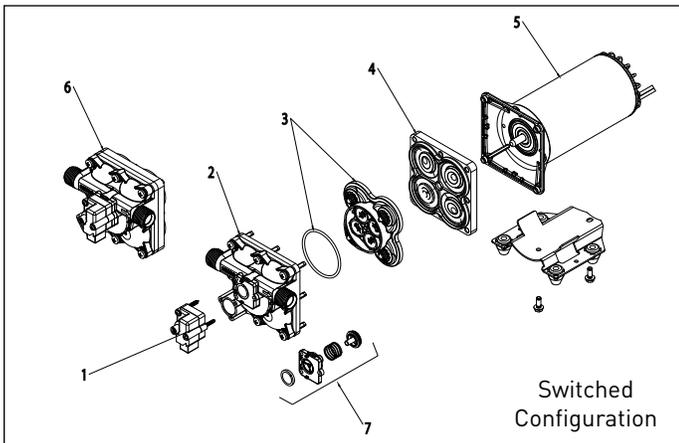
Part #	Max GPM (L/MIN)	Max PSI (BAR)	Port Size	Max Draw	Packaging
5059-1310-D011	5.3 (20.1)	60 (4.14)	1/2" NPTF	17.0	Brown Box
5059-1311-D011	5.3 (20.1)	60 (4.14)	1/2" NPSM*	17.0	Brown Box
5059-1310-D012	5.3 (20.1)	60 (4.14)	1/2" NPTF	17.0	Retail Box
5059-1311-D012	5.3 (20.1)	60 (4.14)	1/2" NPSM*	17.0	Retail Box
5059-3610-D011	5.3 (20.1)	80 (5.52)	1/2" NPTF	20.9	Brown Box
5059-3611-D011	5.3 (20.1)	80 (5.52)	1/2" NPSM*	20.9	Brown Box
5059-3610-D012	5.3 (20.1)	80 (5.52)	1/2" NPTF	20.9	Retail Box
5059-3611-D012	5.3 (20.1)	80 (5.52)	1/2" NPSM*	20.9	Retail Box

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

Performance

Model	PSI	GPM	BAR	L/min	Amps
5059 Series Switched	0	5.3	0.0	20.1	6.5
	10	4.7	0.7	18.0	9.0
	20	4.3	1.4	16.5	11.8
	30	4.1	2.1	15.5	12.4
	40	3.8	2.8	14.6	14.0
	50	3.6	3.4	13.6	15.4
5059 Series Bypass	60	3.4	4.1	12.9	17.0
	0	5.3	0.0	20.1	6.5
	10	4.7	0.7	17.8	9.0
	20	4.3	1.4	16.3	10.2
	30	4.1	2.1	15.5	12.0
	40	3.4	2.8	12.9	13.5
	50	2.6	3.4	9.8	15.2
	60	1.8	4.1	6.8	16.9
	70	1.1	4.8	4.2	18.5
	80	0.4	5.5	1.5	20.1
90	0.0	6.2	0.0	20.9	

Replacement Kits



Model	1 Switch Only	2 Upper Housing	3 Valve Assembly	4 Drive Assembly	5 Motor	6 Pump Head	7 Check Valve
5059-1310-xxxx	94-910-02	94-910-11	94-910-05	94-910-04	94-71-000-17	94-910-10	94-910-03
5059-1311-xxxx	94-910-02	94-910-01	94-910-05	94-910-04	94-71-000-17	94-910-00	94-910-03
5059-3610-xxxx	N/A	94-910-15	94-910-05	94-910-04	94-71-000-17	94-910-13	N/A
5059-3611-xxxx	N/A	94-910-14	94-910-05	94-910-04	94-71-000-17	94-910-12	N/A



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