

# SLV Series Diaphragm Pump

## Demand Pumps



SLV10-AA48  
(Front and Back Shown)

- Automatic demand; 25 PSI [1.72 bar] on/40 PSI [2.8 bar]
- Self-priming up to 2.5 vertical feet [.76 m]
- Long-life pressure switch
- Thermally-protected ball bearing motor with splash-proof housing
- Internal fan radiates heat; external heat sink not required
- Integral on/off switch optional

The SHURflo SLV is ideal for low volume, intermittent-duty applications requiring a compact pump with low power consumption. Unique design has no metals in the fluid path for maximum chemical resistance. Pump features include automatic demand operation and elastomers that handle a wide variety of chemicals. Perfect for low volume spraying and transfer. Cost effective yet with high performance and reliability; the SLV offers tremendous value.

### Order Information - Automatic Demand Pumps 12 VDC

Part #	Description	Max GPM	Max PSI	Port Size	Max Draw
SLV10-AA40	Viton valves, Santoprene diaphragm, 40 PSI demand switch, Integral on/off switch included	1	30	3/8" Barb	2.5
SLV10-AA41	Viton valves, Santoprene diaphragm, 40 PSI demand switch	1	30	3/8" Barb	2.5
SLV10-AA48*	Viton valves, Santoprene diaphragm, 40 PSI demand switch, Manual switch and 2 pin connector 12VDC	1	30	3/8" Barb	2.5

\* Packaged in quantities of 6, for single pack, add suffix "AB" (i.e.: SLV10-AA48-AB).

### Automatic Demand Pumps 12 VDC

Model	PSI	BAR	GPM	L/min	Amps
SLV10-AA40	3	0.2	0.90	3.4	1.8
	10	0.7	0.73	2.8	2.1
	20	1.4	0.62	2.3	2.3
	30	2.1	0.49	1.9	2.5
SLV10-AA41	3	0.2	0.90	3.4	1.8
	10	0.7	0.73	2.8	2.1
	20	1.4	0.62	2.3	2.3
	30	2.1	0.49	1.9	2.5
SLV10-AA48	3	0.2	0.90	3.4	1.8
	10	0.7	0.73	2.8	2.1
	20	1.4	0.62	2.3	2.3
	30	2.1	0.49	1.9	2.5

### Order Information - Automatic Demand Pump 24 VDC

Part #	Description	Max GPM	Max PSI	Port Size	Max Draw
SLV10-AB41	Viton valves, Santoprene diaphragm, 40 PSI demand switch	1	30	3/8" Barb	1.23

### Automatic Demand Pump 24 VDC

Model	PSI	BAR	GPM	L/min	Amps
SLV10-AB41	3	0.2	0.90	3.4	0.89
	10	0.7	0.73	2.8	1.00
	20	1.4	0.62	2.3	1.15
	30	2.1	0.49	1.9	1.23

### Order Information - No Control Transfer Pump 12 VDC

Part #	Description	Max GPM	Max PSI	Port Size	Max Draw
SLV10-HA01	Viton valves, Geolast diaphragm, No demand switch	1	30	3/8" Barb	2.5

### No Control Transfer Pump 12 VDC

Model	PSI	BAR	GPM	L/min	Amps
SLV10-HA01	3	0.2	0.90	3.4	1.8
	10	0.7	0.73	2.8	2.1
	20	1.4	0.62	2.3	2.3
	30	2.1	0.49	1.9	2.5

# Series SLV Product Data Sheet

## SPECIFICATIONS:

**MODEL NUMBER:** SLV10-AA40

**PUMP DESIGN:** Positive Displacement Pump

**MOTOR:** Permanent Magnet, 11-262-00

**VOLTAGE:** 12VDC Nominal

**PRESSURE SWITCH:** Factory Set @ 40PSI Shut-Off, Turn on  $25 \pm 5$  PSI

**LIQUID TEMPERATURE:** 110 Degrees Fahrenheit (43 Degrees Centigrade) Max

**PRIME:** Self Priming Up to 2.5 Ft. Vertical

**PORTS:** 3/8" Barb

## MATERIAL CONSTRUCTION:

**MOTOR HOUSING -** Nylon

**PLASTICS- Polypropylene**

**VALVES- Viton**

**DIAPHRAGM- Santoprene**

**FASTENERS- Zinc Plated/ Stainless Steel**

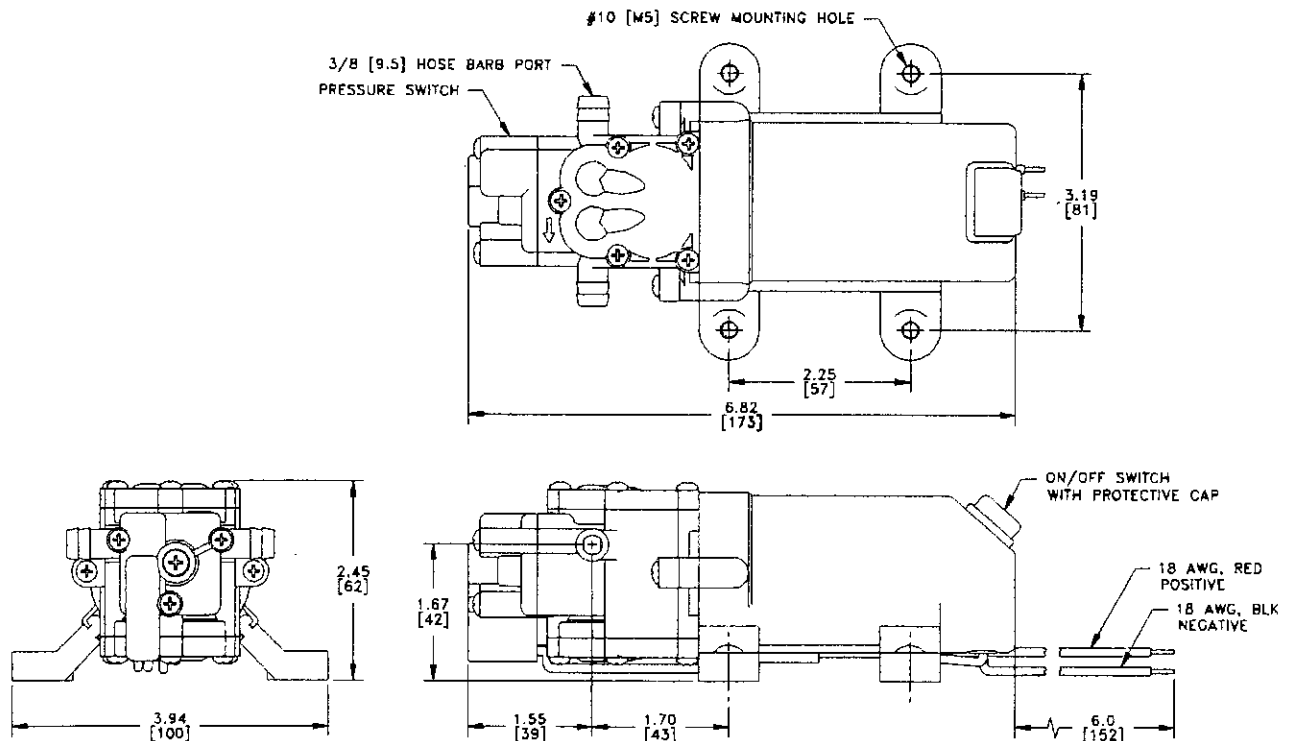
**FOR SPOT SPRAYING APPLICATIONS, USE #8 SPRAY TIP OR LARGER**

**NET WEIGHT:** 1.27 lbs

**DUTY CYCLE:** Intermittent

**DIMENSIONS:**

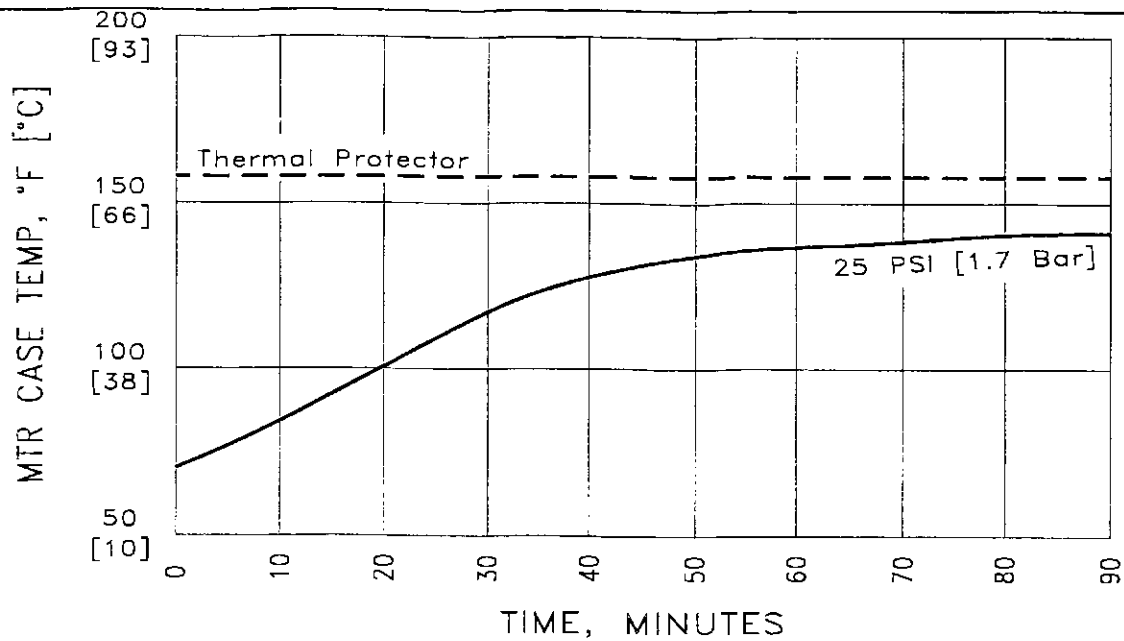
**MODEL: SLV10-AA40**



FILE #

REVISED:

ISSUED: 12-18-00

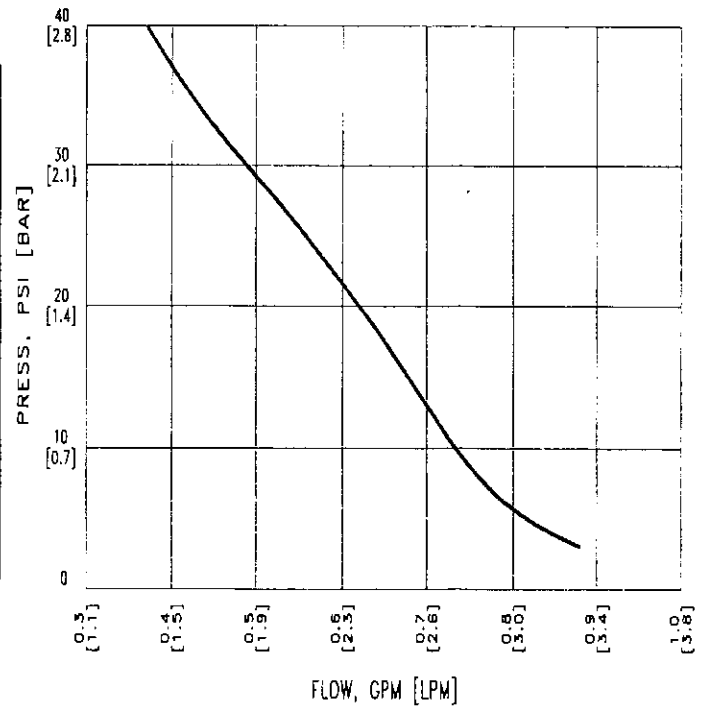


THIS GRAPH IS FOR USE AS A DESIGN GUIDE. IT IS BASED ON RUNNING CONTINUOUSLY WITH AN AMBIENT TEMPERATURE OF 70°F [21°C] IN STILL AIR.

**MODEL: SLV10-AA40**

**TYPICAL PERFORMANCE**

PRESSURE PSI/BAR	FLOW GPM/LPM	RPM MIN/MAX	CURRENT AMPS	VOLTAGE VDC
3/2	.9/3.4	3999/4346	1.8	12
10/7	.73/2.8	3827/4178	2.1	12
20/1.4	.62/2.3	3682/4045	2.3	12
30/2.1	.49/1.9	3609/3980	2.5	12
40/2.8	.37/1.4	3599/4034	2.4	12



**-SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE**

**-ALL DATA BASED ON TESTING WITH WATER AT AMBIENT TEMPERATURE**

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