

# SPV

Designed with reliability and affordability in mind

Superior means going above and beyond the competition. That's why we incorporate scrubbing and filtration technology as standard equipment on the SPV

Constructed of glass-filled nylon with heavy-duty brass and stainless steel internal parts

Available in 1", 1 1/2", and 2"



## Features

- Low flow capability
- Self-cleaning scrubbing rod and filter system provides optimal protection against particles entering the diaphragm chamber
- Low seat design decreases pressure loss and improves flow
- Two-piece internal assembly protects diaphragm
- Internal and External bleed
- 600 lb. test nylon reinforced EPDM diaphragm
- Coil can be rotated 360° and removed without removing solenoid operator
- Internal components interchangeable with Superior 950
- Compatible with 2-wire systems
- 5 Year Warranty

## Operating Ranges:

Flow: 0.25 to 200 GPM  
Pressure: 20 to 200 PSI

## Standard Solenoid Technology:

24 VAC

## Compatible Solenoid Options:

Low Watt 24 VAC (Part #16304)  
110 VAC (Part #16275)  
220 VAC (Part #16302)  
DC Latching 9-24 VDC Solenoid (Part #16305)  
Encapsulated DC Latching Solenoid (Part #16335)



SUPERIOR

## SPV

### Plastic In-Line Valve with Forward Flow Design

#### Features and Benefits

- Available in 1", 1 1/2", and 2"
- Low flow capability
- Self-cleaning scrubbing rod and filter system provides optimal protection against particles entering the diaphragm chamber
- Low seat design decreases pressure loss and improves flow
- Two-piece internal assembly protects diaphragm
- Internal and External bleed
- Glass-filled nylon body
- 600 lb. test nylon reinforced EPDM diaphragm
- Coil can be rotated 360° and removed without removing solenoid operator
- Internal components interchangeable with Superior 950
- Flow rates as low as 0.25 GPM
- 5 Year Warranty

#### Operating Ranges

Flow: 0.25 to 200 GPM  
 Pressure: 20 to 200 PSI  
 Temperature: up to 150° F

#### Solenoid Specifications

##### Standard 24 VAC

In-rush current: 0.45 A (10.8 VA)  
 Holding current: 0.30 A (7.2 VA)

##### Low Watt 24 VAC

In-rush current: 0.33 A (7.9 VA)  
 Holding current: 0.20 A (4.9 VA)

##### Optional 110 VAC

In-rush current: 95 mA (10.5 VA)  
 Holding current: 65 mA (7.2 VA)

##### Optional 220 VAC

In-rush current: 48 mA (10.5 VA)  
 Holding current: 33 mA (7.2 VA)

##### Optional DC Latching

Pulse Range: 9 VDC to 24 VDC  
 Pulse Width: 30 to 50 mS

#### Pressure Loss in PSI

GPM	SPV100	SPV150	SPV200
0.25	1.0		
0.5	1.3		
1	1.4		
2.5	1.5		
5	1.7		
10	1.9		
20	2.3	4.0	
30	5.1	4.2	
40	9.0	4.4	
50	13.9	4.5	4.3
75		5.4	4.7
100		9.9	5.4
125		14.4	8.4
150		20.9	11.9
175			16.1
200			19.8



#### Model Description

Model No.	Description	Height	Length
SPV100	1" In-Line Plastic Valve	5 1/2"	4 1/2"
SPV150	1 1/2" In-Line Plastic Valve	7 1/2"	6 1/2"
SPV200	2" In-Line Plastic Valve	8"	7"

\*Optional PRS-MOD  
 The PRS-MOD regulates outlet pressure at the valve regardless of incoming pressure fluctuation



\*Optional Cross Handle  
 Available with purple cross handle for reclaimed water identification. Add RW to model number

