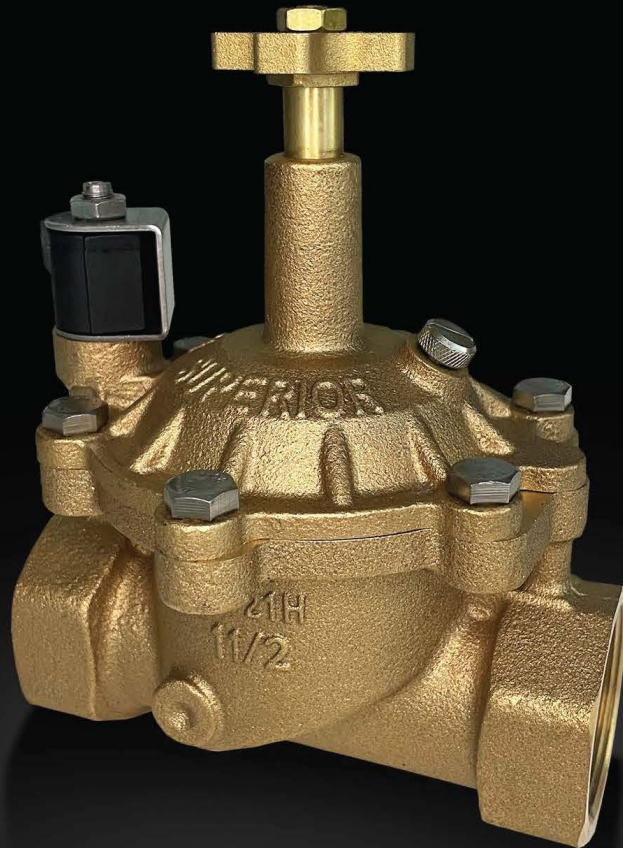


# 950 SERIES

Advanced design provides protection and reliability for your system

The Superior 950 Series offers the dependable product performance, quality, and value you have relied on for years

Available in 3/4" to 3"



## Features

- Self-cleaning scrubber rod for protection against debris entering the diaphragm chamber
- Low seat design decreases pressure loss and improves flow
- Two-piece internal assembly protects diaphragm
- 600 lb. test nylon reinforced EPDM diaphragm
- Made of high-quality Red Brass
- Coil can be rotated 360° and removed without removing solenoid operator
- Consistent design ensures backward compatibility
- External bleed for manual operation
- Available with dirty water filter

## Operating Ranges:

Flow: 5 to 320 GPM  
Pressure: 20 to 200PSI

## Standard Solenoid Technology:

24 VAC

## Compatible Solenoid Options:

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



SUPERIOR

## 950

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

#### Features and Benefits

- Available in 3/4" to 3"
- Self-cleaning scrubber rod for protection against debris entering diaphragm chamber
- Low seat design decreases pressure loss and improves flow
- Two-piece internal assembly protects diaphragm
- 600 lb. test nylon reinforced EPDM diaphragm
- Made of high-quality Red Brass
- Coil can be rotated 360° and removed without removing solenoid operator
- Consistent design ensures backward compatibility
- External bleed for manual operation

#### Operating Ranges

Flow: 5 to 320 GPM  
 Pressure: 20 to 200 PSI  
 Temperature: 180° 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	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
5	0.5	0.2					
10	1.8	0.8					
15	4	1.5	0.5				
20	7	2.6	0.9	0.5			
30		5.7	1.9	1			
40		10	3.5	1.7	0.5		
50			5.3	2.7	0.8		
60			7.6	3.8	1.2		
70			10.1	5.1	1.6		
80				6.6	2.1		
90				8.3	2.6		
100				10.9	3.2	2.4	2.4
120					4.6	2.5	2.5
140					6.3	2.5	2.5
160					8	2.9	2.9
200					13.9	4	4
240						6	6
260						8.2	8.2
320						10.7	10.7



#### Model Description

Model No.	Description	Height	Length
950075	3/4" In-Line Brass Valve	4 3/32"	3 11/16"
950100	1" In-Line Brass Valve	5 15/16"	4 13/32"
950125	1 1/4" In-Line Brass Valve	5 19/32"	4 3/4"
950150	1 1/2" In-Line Brass Valve	7 5/32"	5 19/32"
950200	2" In-Line Brass Valve	7 5/32"	5 19/32"
950250	2 1/2" In-Line Brass	11 3/4"	9 13/16"
950300	3" In-Line Brass Valve	11 3/4"	9 13/16"
Options	BSPT available upon request		

##### \*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

