

# MASTER VALVES

Master Valve Solutions for Every Application

Industry's Most Complete Line of Normally Open and Normally Closed Master Valves

"No Minimum Flow" capability handles full-flow, low-flow, and extreme low-flow conditions. Reliably opens and closes regardless of system flow rate

Flow Range: 0 to 320 GPM  
Pressure Range: 20 to 200 PSI

## Normally Closed



**3000**

Available in 1" to 3"



**3200**

Available in 3/4" to 3"  
No Minimum Flow



**3200NXT**

Available in 3/4" to 3"  
No Minimum Flow  
No External Tubing

## Normally Open



**3100**

Available in 3/4" to 3"



**3100PRS**

Available in 1" to 3"  
Pressure Regulation



**3300**

Available in 1 1/2" to 3"  
No Minimum Flow

## Features

- 3-Way DC Latching Solenoid Available
- "No Minimum Flow" Capability
- Dirty & Recycled Water Protection
- Scrubbing Rod & Filter System
- 600 lb. test nylon reinforced EPDM diaphragm
- 5 Year Warranty

## Standard Solenoid Technology:

24 VAC

## Compatible Solenoid Options:

Low Watt 24 VAC

110 VAC

Encapsulated DC Latching Solenoid (Part #16333)



**SUPERIOR**

# Master Valves

Superior is a recognized leader for normally open and normally closed master valves

## Features and Benefits

- No minimum flow requirement (3200, 3200NXT, 3300)
- Dual chamber design provides no minimum flow capability
- External plumbing allows easy maintenance to filter assembly
- 600 lb. test nylon reinforced EPDM diaphragm
- 3-Way DC Latching Solenoid Available

## Solenoid Specifications

Standard 24 VAC 3-Way (Part # 16075-A / 16075)

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

Optional 110 VAC 3-Way (Part # 16275 / 16303)

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


Optional 3-Way DC Latching (Part #16333)

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"
0	0	0					
5	0.5	0.2					
10	1.7	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

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



# Normally Closed

## 3000 Series

Model No.	Description	Height	Length
3000100	1" Normally Closed Master Valve	4 1/2"	4 3/8"
3000125	1 1/4" Normally Closed Master Valve	5 1/2"	5"
3000150	1 1/2" Normally Closed Master Valve	8"	6"
3000200	2" Normally Closed Master Valve	9"	7"
3000250	2 1/2" Normally Closed Master Valve	10"	11 5/8"
3000300	3" Normally Closed Master Valve	10"	11 5/8"

## 3200 Series (No Minimum Flow)

Model No.	Description	Height	Length
3200075	3/4" Normally Closed Master Valve	4 1/2"	4 3/8"
3200100	1" Normally Closed Master Valve	5 1/2"	5"
3200150	1 1/2" Normally Closed Master Valve	8"	6"
3200200	2" Normally Closed Master Valve	9"	7"
3200250	2 1/2" Normally Closed Master Valve	10"	11 5/8"
3200300	3" Normally Closed Master Valve	10"	11 5/8"

## 3200NXT Series (No Minimum Flow)

Model No.	Description
3200075NXT	3/4" Normally Closed Master Valve
3200100NXT	1" Normally Closed Master Valve
3200150NXT	1 1/2" Normally Closed Master Valve
3200200NXT	2" Normally Closed Master Valve
3200250NXT	2 1/2" Normally Closed Master Valve
3200300NXT	3" Normally Closed Master Valve

# Normally Open

## 3100 Series

Model No.	Description	Height	Length
3100075	3/4" Normally Open Master Valve	5"	3 1/4"
3100100	1" Normally Open Automatic Valve	4 1/2"	4 3/8"
3100125	1 1/4" Normally Open Automatic Valve	5 1/2"	5"
3100150	1 1/2" Normally Open Automatic Valve	8"	6"
3100200	2" Normally Open Automatic Valve	9"	7"
3100250	2 1/2" Normally Open Master Valve	10"	11 5/8"
3100300	3" Normally Open Master Valve	10"	11 5/8"

## 3100PRS Series

Model No.	Description
3100100PRS	1" Normally Open Pressure Regulating Master Valve
3100125PRS	1 1/4" Normally Open Pressure Regulating Master Valve
3100150PRS	1 1/2" Normally Open Pressure Regulating Master Valve
3100200PRS	2" Normally Open Pressure Regulating Master Valve
3100250PRS	2 1/2" Normally Open Pressure Regulating Master Valve
3100300PRS	3" Normally Open Pressure Regulating Master Valve

## 3300 Series (No Minimum Flow)

Model No.	Description
3300150	1 1/2" Normally Open Master Valve
3300200	2" Normally Open Master Valve
3300250	2 1/2" Normally Open Master Valve
3300300	3" Normally Open Master Valve

