

## Master Valve Solutions for Every Application

Superior is a recognized leader in the manufacture of normally open and normally closed master valves. Performance options include “No Minimum Flow” feature to handle full-flow, low-flow, and extreme low-flow conditions.

- **Industry’s Most Complete Line of Master Valves!**

Master valves are available in normally open and normally closed design options.

- **“No Minimum Flow” Capability**

Selected models include “No Minimum Flow” feature, which ensures reliable opening and closing of the valve in extreme high or low-flow scenarios.

- **Industry’s Widest Range of Sizes**

Selected Superior master valves are available in 3/4” through 3” sizes.



### Normally-Closed

Provides protection against unauthorized system use and minimizes water waste in the event of zone valve malfunction

### Normally-Open

Allows for constant system pressurization and on-demand access to manual irrigation and quick coupler use

### Dirty Water Protection

Protection is afforded by the removable filter and self-cleaning metering rod assembly

### Purple Cross Handle

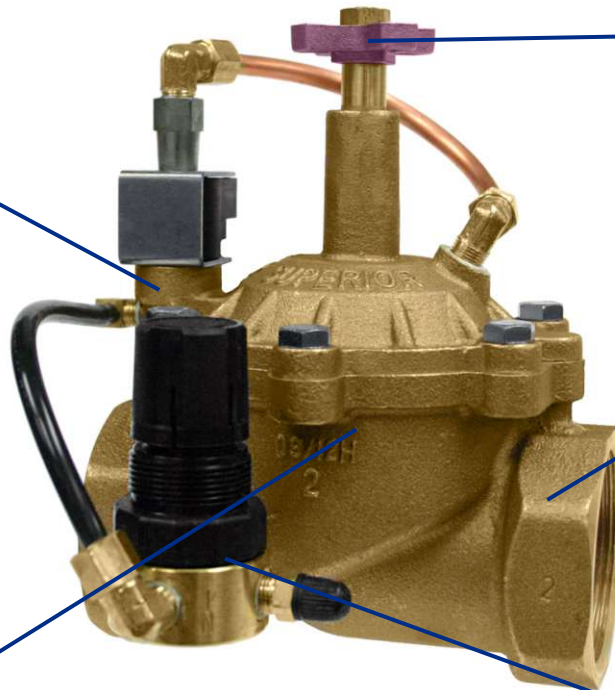
Purple Handle “RW” option available to indicate recycled water system

### “No Minimum Flow” Feature

3200 and 3300 models include “No Minimum Flow” capability, which ensures reliable opening and closing of the valve in extreme high or low-flow scenarios

### Pressure Regulation

Pressure Regulating System (PRS) option available on 3100 model



## Normally Closed Master Valves

### 3000

Normally Closed



Size	Models	Dimensions (Inches)	
		Height	Length
1"	3000100	4-1/2	4-3/8
1-1/4"	3000125	5-1/2	5
1-1/2"	3000150	8	6
2"	3000200	9	7
2-1/2"	3000250	10	11-5/8
3"	3000300	10	11-5/8

#### Operating Ranges

Flow: 5 - 320 gpm  
Pressure: 20 - 200 psi

### 3200

Normally Closed, "No Minimum Flow" Feature



**NEW SIZES AVAILABLE!**  
3/4" & 1"

Size	Models	Dimensions (Inches)	
		Height	Length
3/4"	3200075	3.75	6
1"	3200100	4.5	6
1-1/2"	3200150	8	6
2"	3200200	9	7
2-1/2"	3200250	10	11-5/8
3"	3200300	10	11-5/8

#### Operating Ranges

Flow: 0 - 360 gpm  
Pressure: 20 - 150 psi

## Normally Open Master Valves

### 3100

Normally Open



Size	Models	Dimensions (Inches)	
		Height	Length
1"	3100100	4-1/2	4-3/8
1-1/4"	3100125	5-1/2	5
1-1/2"	3100150	8	6
2"	3100200	9	7
2-1/2"	3100250	10	11-5/8
3"	3100300	10	11-5/8

PRS = Pressure Regulation System

#### Operating Ranges

Flow: 5 - 320 gpm  
Pressure: 20 - 200 psi



### 3300

Normally Open, "No Minimum Flow" Feature

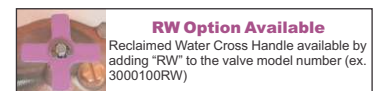


Size	Models	Dimensions (Inches)	
		Height	Length
1-1/2"	3300150	8	7
2"	3300200	9	7
2-1/2"	3300250	10	11-5/8
3"	3300300	10	11-5/8

#### Operating Ranges

Flow: 0 - 360 gpm  
Pressure: 20 - 150 psi

Pressure Loss in PSI		0	2.5	5	10	15	20	30	40	50	60	70	80	90	100	120	140	160	200	240	260	320	360
3/4"		0	0.01	0.45	1.75	4	7																
1"		0	0.04	0.16	0.75	1.5	2.6	5.7	10														
1-1/4"					0.48	0.85	1.9	3.5	5.3	7.6	10.1												
1-1/2"					0.45	1	1.7	2.65	3.8	5.1	6.6	8.3	10.9										
2"							0.53	0.82	1.2	1.6	2.05	2.6	3.2	4.6	6.3	8	13.9						
2-1/2"														2.38	2.45	2.5	2.9	4	6	8.2	10.7	13.2	
3"														2.38	2.45	2.5	2.9	4	6	8.2	10.7	13.2	



#### RW Option Available

Reclaimed Water Cross Handle available by adding "RW" to the valve model number (ex. 3000100RW)

### Solenoid Specifications

#### Standard 24 VAC

In-rush current: .45 A (10.8 VA)  
Holding current: .30 A (7.2 VA)

#### Optional 110 VAC

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