

Master Valves | Normally Open

3100

Normally open master valve ideal for dirty and recycled water applications.

Features and Benefits

- Available in 3/4" to 3"
- Normally Open design allows for constant system pressurization
- On-demand access for manual irrigation and quick coupler use
- Low seat design decreases pressure loss and improves flow
- Self-cleaning inlet orifice with metering rod allows only "clean water" to enter upper diaphragm chamber offering consistent, trouble-free operation
- 600 lb. test nylon reinforced EPDM diaphragm
- Reliable operation for dirty and recycled water applications

Operating Ranges

Flow: 5 to 320 GPM
Pressure: 20 to 150 PSI

Solenoid Specifications

Standard 24 VAC

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

Optional 110 VAC

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

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
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"
Options	BSPT available upon request		

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

