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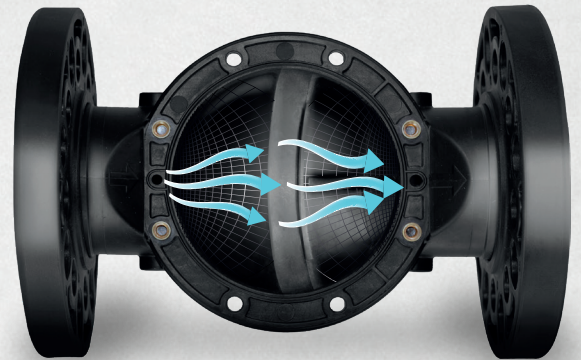
Toro is excited to introduce a new line of irrigation control valves for the agricultural irrigation market. The 900 SERIES valves have cutting edge features which ensure optimum performance and high efficiency over a long-life cycle.



Irrigation Control Valves

900 SERIES

New patent-pending valve seat design creates an easier path for the water through the valve, reducing pressure loss and allowing the irrigation system to reach operational flow rates more efficiently.



FEATURES & BENEFITS

- Lower opening pressure
- Minimal pressure loss
- High maximum flow rate
- No vibration or distortion
- Simple 4-piece design for easy maintenance

AVAILABLE CONFIGURATIONS



Pressure Reducing:
Valve maintains set downstream pressure, 3-Way Pilot



Pressure Sustaining:
Valve maintains set downstream pressure, 3-Way Pilot



On/Off:
Valve Open / Close, No Pilot

SPECIFICATIONS

Valve Size	Valve Body	Cv	Minimum Recommended Flow (GPM)	Maximum Recommended Flow (GPM)	Minimum Pressure (PSI)	Maximum Pressure (PSI)	Available Connections
1.5"	1.5x2x1.5	78	4	115	6	150	Threaded
2"	2x2x2	97	4	176	6	150	Threaded
3"R	3x2x3	105	4	406	6	150	Threaded / Grooved / Flanged
3"	3x3x3	197	4	485	6	150	Threaded / Grooved / Flanged
4"R	4x3x4	197	4	485	6	150	Grooved / Flanged
4"	4x4x4	318	4	873	6	150	Grooved / Flanged
6"R	6x4x6	318	4	930	6	150	Grooved / Flanged

MATERIALS

Body: Polyamide Glass Fiber (PAGF)
Diaphragm: Natural Rubber
Spring: Stainless Steel
Pilot Spring: Stainless Steel
Bolts & Washers: Stainless Steel

PRESSURE CONTROL PILOTS

Color Code **Range (PSI)**
 Orange (Low) 4-28 PSI
 Red (Medium) 7-80 PSI
 Violet (High) 21-130 PSI



PRESSURE LOSS DATA

Pressure Loss Data Flow Rate (GPM)													
	Flow Rate GPM	50	75	100	125	150	175	200	225	250	275	300	325
Size	Cv	Pressure Loss (PSI)											
1.5"	78	0.4	0.9	1.6	2.6	3.7	5.0	6.6	8.3	10.3			
2"	97	0.3	0.6	1.1	1.7	2.4	3.3	4.3	5.4	6.6	8.0	9.6	
3"R	105	0.2	0.5	0.9	1.4	2.0	2.8	3.6	4.6	5.7	6.9	8.2	9.6

Pressure Loss Data Flow Rate (GPM)													
	Flow Rate GPM	120	200	280	360	440	520	600	680	760	840	920	1000
Size	Cv	Pressure Loss (PSI)											
3" - 4"R	197	0.4	1.0	2.0	3.3	5.0	7.0	9.3					
4" - 6"R	318	0.1	0.4	0.8	1.3	1.9	2.7	3.6	4.6	5.7	7.0	8.4	9.9

CONTROL OPTIONS

Manual: 3-Way Brass Valve

Electric AC: 24VAC, NO/NC

Electric DC Latch: 9-24VDC

Electric DC: 24VDC, NO/NC

Inrush Current: 70mA
 Holding Current: 10mA

Min. Pulse Width: 100ms

Min. Capacitor: 4700uF

Inrush Current: 70mA
 Holding Current: 10mA



ACCESSORIES

Control Tubing Protection



Pressure Gage



Schrader Valve



Pilot Tube Straight



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