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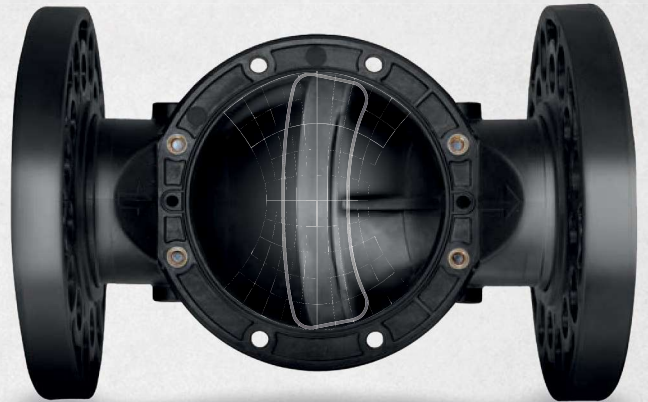
Irrigation Control Valves

900 SERIES



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.

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

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

Available Functions

On/Off: Valve Open / Close, No Pilot

Pressure Reducing: Valve maintains set downstream pressure, 3W Pilot

Pressure Sustaining: Valve maintains set downstream pressure, 3W Pilot

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

Standard Control Options

Manual: 3-Way Brass Valve

Electric AC: 24VAC, NO/NC Inrush Current: 70mA
Holding Current: 10mA

Electric DC: 24VDC, NO/NC Inrush Current: 70mA
Holding Current: 10mA

Electric DC Latch: 9-24VDC Min. Pulse Width: 100ms
Min. Capacitor: 4700uF

Materials

Body: Polyamide Glass Fiber (PAGF)

Diaphragm: Natural Rubber

Spring: Stainless Steel

Pilot Spring: Stainless Steel

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

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