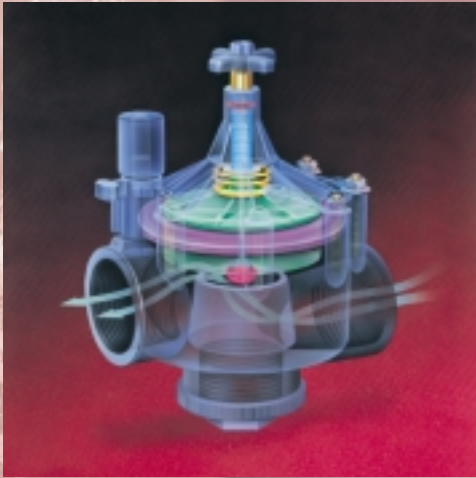


ELECTRIC GLOBE/ANGLE

100 SERIES (CENTURY PLUS)

V A L V E S



ELECTRIC GLOBE/ANGLE

100 series

V A L V E S

The 100 Series (Century PLUS) is an excellent example of a good valve getting better. Tracing its origin to the highly popular Century Series, the 100 Series delivers reliable performance with a host of enhanced features.

Offered in a globe/angle configuration with sizes ranging from one to three inches, the 100 Series features a pressure range of 10-200 psi, optional modular pressure regulation, stainless steel metering, internal or external bleed, a nylon-reinforced Buna-N double-beaded diaphragm and an anti-contamination design for dirty water applications (available on all 102 Models).

100 Series— the standard for commercial valves.

**Irritrol®**  
SYSTEMS

## 100 SERIES (CENTURY PLUS)

## VALVES

1", 1½", 2" and 3"  
plastic models

## Features

## Performance

- Flow range from 5-300 GPM
- Pressure range from 10-200 psi; 10-100 psi (102 models)
- Manual internal bleed
- Manual external bleed (flush mode)
- Brass flow control stem (2- and 3-inch models)
- Flow control allows precise flow adjustment and manual shutoff

Pressure Regulation  
(OmniReg™ modular option)

- Electric or manual operation
- Self-modulating pressure regulator maintains constant downstream pressure within  $\pm 3$  psi of pressure setting
- Outlet pressure regulating range from 5-100 psi or 5-30 psi with Schrader valve test port (SPK-100 and SPK-30 gauges optional)
- Inlet pressure must be 10 psi greater than desired outlet pressure

Anti-Contamination  
(102 models)

- Electric valves with 150-mesh external control water filter and three-way solenoid
- Non-continuous metering system for dirty or effluent water applications
- Small exchange of control water allows minimum filter capacity
- Control water filter allows easy external service
- Selectable normally open or normally closed mode
- Working pressure range from 10-100 psi

## Quality Construction

- Glass-reinforced nylon, stainless steel and brass construction withstands high temperatures and system surges under pressure
- Rugged, nylon-reinforced Buna-N diaphragm provides leak-proof seal
- Buna-N valve seat seal
- Captive plunger
- Stainless steel metering

- Molded-in and anchored studs allow positive bonnet attachment and removal
- Easily serviced without removal from the system

## Electrical Specifications

- Solenoid: 24 VAC
- Inrush volt-amp: 24 VAC-11.50 VA
- Inrush current: .4 amp (102 models: .48 amp)
- Holding volt-amp: 24 VAC-5.75 VA
- Holding current: .2 amp (102 models: .24 amp)

## Optional Accessories

- OmniReg™ 5-100 psi regulator (OMR-100)
- OmniReg™ 5-30 psi regulator (OMR-30)
- Weatherproof gauge (SPK-100)
- Weatherproof gauge (SPK-30)
- Hydraulic conversion kit (HVC-Kit)
- Reclaimed water kit (RW60-Kit)
- DC latching solenoid (E2002)

			Flow Rate-GPM																												
Model	Size	Globe Angle	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	175	200	225	250	275	300								
100P1/102P1	1"	G A	4.20 4.20	3.20 3.10	4.10 2.70	7.20 4.80	10.90 7.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100P1.5/102P1.5	1 ½"	G A	-	-	1.60 1.30	2.30 1.60	3.60 2.80	5.20 4.00	7.00 5.50	9.20 7.10	11.70 9.00	14.40 11.00	17.50 13.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
100P2/102P2	2"	G A	-	-	-	-	-	-	-	2.10 1.20	2.70 1.60	3.30 2.00	4.00 2.40	4.80 2.80	5.60 3.30	6.50 3.90	7.50 4.40	8.60 5.00	-	-	-	-	-	-	-	-	-	-	-	-	-
100P3/102P3	3"	G A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.50 1.90	3.00 2.40	4.10 3.30	5.30 4.30	6.70 5.50	8.30 6.90	10.10 8.50	-	-	-	-	-	-	-	

Pressure Loss-PSI

1) When designing a system, the industry standard for flow rate velocity through pipes and fittings is 5 FPS.

2) In general, we recommend sizing regulating valves toward upper flow ranges for best regulating performance.

## MODELS HOW TO SPECIFY

100P1-LS		
Model	Size	Solenoid
100P1	1"	yes
100P1.5	1 ½"	yes
100P2	2"	yes
100P3	3"	yes
100P1-LS	1"	no
100P1.5-LS	1 ½"	no
100P2-LS	2"	no
100P3-LS	3"	no

102P1	
Model	Size
102P1	1"
102P1.5	1 ½"
102P2	2"
102P3	3"

**Irritrol**  
SYSTEMS

BEYOND THE EXPECTED

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