

24VAC Remote Control Valves

170SV Series



24VAC Remote Control Valves

Made out of durable, high impact, glass-reinforced nylon, DIG's two-way, direct acting, normally closed remote-control valves are designed for reliable operation in residential and commercial sites, above or below grade. The 170SV series is available in two configurations, with NPT or BSP threads, featuring a one-piece diaphragm assembly, a flow control handle for flow adjustment, and an internal and external valve opening via the solenoid or the bleed screw for smooth opening and closing.

Features

- Designed for reliable operation with excellent hydraulic performance
- Features a flow control handle for flow adjustment
- Internal or external manual opening via the solenoid or the manual bleed screw
- Available in $\frac{3}{4}$ " and 1" globe style
- Very low flow feature for a wide range of applications
- Rugged, reinforced self-cleaning diaphragm for reliable operation
- Durable, high-impact, glass-fille reinforced nylon body and cover
- Easy-to-clean plunger assembly
- Highly durable to chemical use with an irrigation system
- Three-year product warranty



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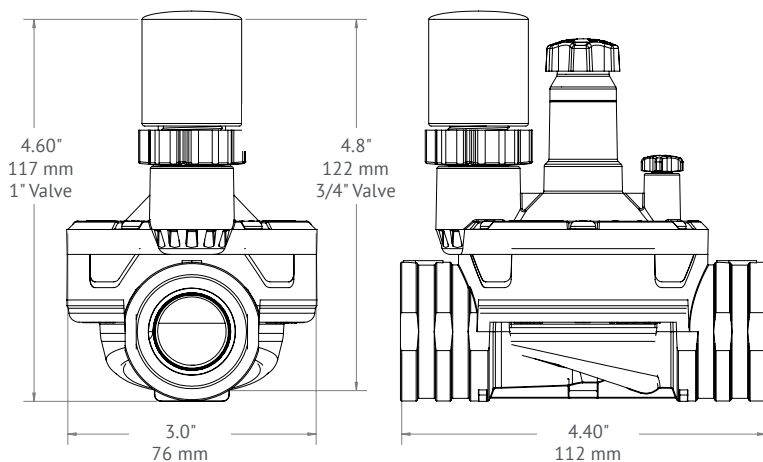


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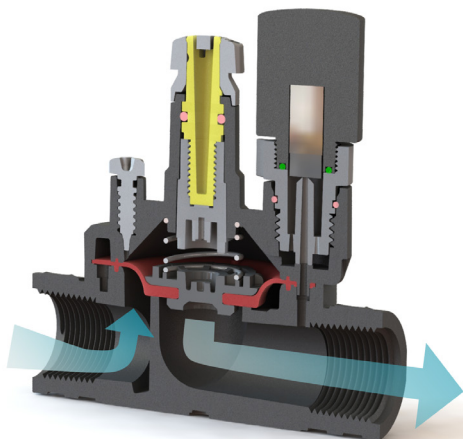
170SV Series

Specifications:

- Body style: inline (globe) valve
- Operating pressure: 10 to 150 PSI (.7 to 10.5 bar)
- Valve sizes: 3/4" and 1" with FNPT or British standard thread (BSP)
- Available with flow control and manual bleed
- Temperature range: up to 135° Fahrenheit (0-57°C)
- Operating flow range:
 - 3/4" size: .1 to 20 GPM (.23 to 4.54 m³h)
 - 1" size: .2 to 35 GPM (0.45 to 8 m³h)
- Solenoid: 24 VAC (50 -60 cycles)
 - Current: .032A (7.7 VA)
 - Holding current: 0.16A (3.84 VA)
 - Power consumption: 1.7/2.2 watts
 - Solenoid thread: 3/4" -20, supported with external adapter



- Notes:**
- Accepts DIG latching solenoid for use with DIG battery operated controller
 - For drip applications, use a minimum of 150 mesh screen or disc filter installed upstream



Materials:

- Body: glass-reinforced nylon
- Bonnet: glass-reinforced nylon
- Solenoid: glass-reinforced nylon
- Spring and pins: Stainless steel
- Diaphragm: EPDM



How to specify

Model	Description
170SV-075	3/4" FPT, 24VAC globe valve with flow control, internal and external manual bleed
170SV-100	1" FPT, 24VAC globe valve with flow control, internal and external manual bleed
170SV-075BSP	3/4" BSP, 24VAC globe valve with flow control, internal and external manual bleed
170SV-100BSP	1" BSP, 24VAC globe valve with flow control, internal and external manual bleed

Performance pressure loss (PSI)

Flow Rate (GPM)	m³/h	l/m	Size 3/4" PSI	Bar	1" PSI	Bar
.2	0.04	0.7	.07	.005	–	–
.5	0.11	1.9	1.3	.089	–	–
1.0	0.23	3.8	3.0	.206	2.4	1.65
3.0	0.68	11.4	3.3	.227	2.6	1.79
5.0	1.13	18.9	3.6	.248	2.8	.193
8.0	1.81	30.3	3.9	.269	3.4	.234
10.0	2.27	37.9	4.1	.283	3.8	.262
15.0	3.41	56.8	4.9	.338	4.5	.310
20.0	4.54	75.7	5.5	.380	5.0	.344
25.0	5.68	94.6	–	–	5.9	.406
30.0	6.81	113.6	–	–	6.6	.455
35.0	7.95	132.5	–	–	7.8	.537
40.0	9.08	151.4	–	–	8.5	.586