

ELECTRIC GLOBE/ANGLE

200B SERIES

V A L V E S



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200B series

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The 200B Series globe/angle valves have built their popularity on a proven record of reliability and a reputation for offering valuable features at an affordable price.

Available in 1-, 1 ½- and 2-inch models, the 200B Series provides manual internal and external bleed, heavy-duty, UV-resistant PVC construction, stainless steel hardware, a double-beaded diaphragm and a captive solenoid plunger. Other key features include high-strength ribbed bonnet and bottom inlet, threaded inlet plug O-ring seal, and optional flow control on all models. Plus, the 200B Series is designed to close slowly, reducing water hammer.

The 200B Series — proven reliability, sensibly priced.

Irritrol
SYSTEMS

200B SERIES

VALVES

1", 1½" and 2"

plastic models

Features

Performance

- Flow range from 5-120 GPM
- Pressure range from 20-150 psi
- Manual internal bleed
- Manual external bleed (flush mode)
- Slow-closing design reduces water hammer
- Optional flow control allows precise flow adjustment and manual shutoff

Quality Construction

- Heavy-duty, corrosion- and UV-resistant PVC construction with stainless steel spring and hardware
- Rugged, double-beaded SANTOPRENE® diaphragm provides leak-proof seal
- Buna-N valve seat seal
- High-strength ribbed bonnet and bottom inlet
- Unique, threaded inlet plug O-ring seal prevents leaks
- Encapsulated injection-molded solenoid
- Captive plunger
- Easily serviced without removal from the system

- Unique three-way stainless steel bonnet screws accept Phillips, flatblade and hex-driver tools
- Accepts OmniReg™ modular pressure regulator

Pressure Regulation
(OmniReg™ modular option)

- Electric or manual operation
- Pressure setting dial
- Self-modulating pressure regulator maintains constant downstream pressure within ± 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)
- Retrofits in less than one minute
- Inlet pressure must be 10 psi greater than desired outlet pressure

Electrical Specifications

- Solenoid: 24 VAC
- Inrush volt-amp: 24 VAC-11.50 VA
- Inrush current: .4 amp
- Holding volt-amp: 24 VAC-5.75 VA
- Holding current: .2 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)
- Reclaimed water solenoid kit (RW60-Kit); purple solenoid with purple warning tag
- DC latching solenoid (E2002)

| | | Flow Rate-GPM | | | | | | | | | | | |
|-------|--------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Model | Size | Globe Angle | 5 | 10 | 15 | 20 | 30 | 40 | 50 | 60 | 80 | 100 | 120 |
| 214B | 1" | G A | 3.36 3.09 | 2.60 2.20 | 1.82 1.48 | 2.35 1.98 | 5.40 4.00 | 9.73 8.12 | --- | --- | --- | --- | --- |
| 216B | 1 1/2" | G A | --- | --- | --- | 3.04 2.76 | 2.66 2.24 | 2.33 1.99 | 2.97 2.30 | 4.14 3.10 | 5.62 4.42 | --- | --- |
| 217B | 2" | G A | --- | --- | --- | 2.00 2.00 | 1.93 1.93 | 1.73 1.73 | 1.55 1.55 | 1.68 1.59 | 2.99 2.15 | 4.85 3.27 | 6.31 4.88 |

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

2) Pressure loss data are derived from valves independently tested by CIT, Fresno, CA.

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

MODELS HOW TO SPECIFY

| 214B | | |
|---------|------|--------------|
| Model | Size | Flow Control |
| 214B | 1" | yes |
| 214B-NF | 1" | no |
| 216B | 1 ½" | yes |
| 216B-NF | 1 ½" | no |
| 217B | 2" | yes |
| 217B-NF | 2" | no |

Irritrol
SYSTEMS

BEYOND THE EXPECTED

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