

# 200 SERIES ELECTRICAL GLOBE/ANGLE

**1", 1 1/2" AND 2"  
(25MM, 40MM AND 50MM)  
PLASTIC MODELS**



217B



216B  
(SHOWN WITH OMNIREG™ MODULAR OPTION)

**FOR PETE'S SAKE,  
LET'S ONLY DO  
THIS ONCE.**

## KEY FEATURES & BENEFITS

**HEAVY-DUTY, CORROSION AND UV-RESISTANT PVC CONSTRUCTION WITH STAINLESS STEEL SPRING AND HARDWARE**  
Provides consistent operation

**SLOW-CLOSING DESIGN**  
Reduces water hammer and resulting stress on the system

**RUGGED, DOUBLE-BEADED SANTOPRENE® DIAPHRAGM**  
Ensures a leak-proof seal

**INTERNAL AND EXTERNAL BLEED (FLUSH MODE)**  
Manual operation

**ACCEPTS OMNIREG™ MODULAR PRESSURE REGULATOR**  
Ensures consistent performance

**HIGH-STRENGTH RIBBED BONNET AND BOTTOM INLET**  
Increases durability

The Irritrol® 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 1/2- 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 standard key features include flow control, high-strength ribbed bonnet and bottom inlet and threaded inlet plug O-ring seal. Plus, the 200B Series is designed to close slowly, reducing water hammer. Irritrol. **Get more done.**

## ADDED FEATURES

- Flow control allows precise adjustment and manual shutoff
- Buna-N valve seat seal
- Unique threaded inlet plug O-ring seal prevents leaks
- Encapsulated injection-molded solenoid with a captive hex plunger
- Unique three-way stainless steel bonnet screws accept Phillips, flat-blade and hex-driver tools for easy servicing without removal from the system
- Five-year warranty

## OPERATING SPECIFICATIONS

- Flow range: 5-120 GPM (20-450 L/M)
- Pressure range: 20-150 psi (1,4-10 Bars)

## ELECTRICAL SPECIFICATIONS

- Solenoid: 24 V ac
- Inrush volt-amp: 24 V ac-9.6 VA
- Inrush current: .4 amp
- Holding volt-amp: 24 V ac-4.8 VA

## SPECIFYING INFORMATION

MODEL	SIZE
214B	1" (25mm)
216B	1 1/2" (40mm)
217B	2" (50mm)

\* Optional accessories are field-installable.  
Must specify separately if required.

## DIMENSIONS

- **214B:** H: 6 7/8", W: 8", L: 9 1/16"
- **216B:** H: 2 7/8", W: 3 6/16", L: 4 3/4"
- **217B:** H: 2 1/2", W: 5 3/8", L: 6 1/4"

## OPTIONAL ACCESSORIES

- IBOC300-9V battery operated "on valve" controller
- OmniReg™ 5-30 psi (0,34-2 Bars) regulator (OMR-30)
- OmniReg™ 5-100 psi (0,34-7 Bars) regulator (OMR-100)
- Recycled-water solenoid kit (RW60-KIT); purple solenoid with purple warning tag
- DC latching solenoid (DCL).

NOTE: Maximum pressure for a valve that utilizes latching solenoid is 120 psi (8 Bars)

- Weatherproof gauge (SPK-30)
- Weatherproof gauge (SPK-100)

## FRICION LOSS DATA

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

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

Flow	Flow Rate - L/M											
	214B GLOBE		214B ANGLE		216B GLOBE		216B ANGLE		217B GLOBE		217B ANGLE	
	Bar	kPa	Bar	kPa	Bar	kPa	Bar	kPa	Bar	kPa	Bar	kPa
20	0,23	22,9	0,21	21,0								
40	0,17	17,3	0,15	14,6								
60	0,13	13,2	0,11	10,8								
80	0,19	18,6	0,15	15,2	0,21	20,7	0,19	18,6	0,14	13,7	0,14	13,7
100	0,30	29,7	0,23	22,6	0,19	19,3	0,17	16,7	0,14	13,5	0,14	13,5
150					0,16	16,1	0,14	13,8	0,12	12,0	0,12	12,0
200					0,23	22,8	0,17	17,4	0,11	10,9	0,11	10,8
250					0,32	31,6	0,24	24,1	0,14	14,3	0,12	12,1
300					0,38	38,4	0,30	30,1	0,20	20,3	0,15	14,7
375									0,33	32,9	0,22	22,2
450									0,43	43,0	0,33	33,0

Note: Add "- M" for BSP thread, 50 Hz configuration, i.e., "217B-M"