

# Irritrol®



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. 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.

## 200B SERIES VALVES

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

Provides consistent operation

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**SLOW-CLOSING DESIGN**

Reduces water hammer and resulting stress on the system

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**RUGGED, DOUBLE-BEADED CHEMICAL RESISTANCE DIAPHRAGM**

Ensures a leak-proof seal

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

Allows for manual operation

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**ACCEPTS OMNIREG® MODULAR PRESSURE REGULATOR**

Ensures consistent performance

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

Increases durability

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**THREE-WAY STAINLESS STEEL SCREWS**

Screws accept Phillips, flat-blade and hex-driver tools for easy servicing without removal from the system

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ELECTRIC GLOBE/ANGLE  
1", 1½", AND 2" PLASTIC MODELS

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## 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
- Five-year warranty

## OPERATING SPECIFICATIONS

- Flow range: 5-120 GPM
- Pressure range: 20-150 psi

## 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
- Holding current: .2 amp

## MODELS

Model	Description
214B	1" NPT threads, flow control
216B	1½" NPT threads, flow control
217B	2" NPT threads, flow control

## DIMENSIONS

- **214B:** H: 6 ½", W: 2 ½", L: 4 ½"
- **216B:** H: 7 ¾", W: 4 ¼", L: 5 ½"
- **217B:** H: 8 ¾", W: 5 ⅜", L: 6 ¼"

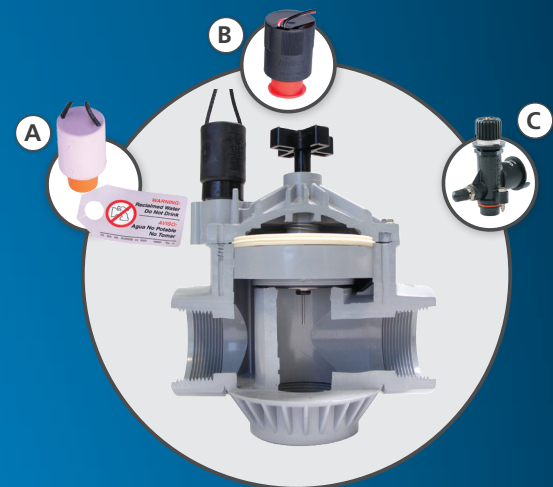
## SPECIFYING INFORMATION

MODEL	SIZE
<b>21</b> - 200B Series electric valve	4 - 1" size 6 - 1½" size 7 - 2" size

Example: A 200B Series 1" electric valve = **214B**

## OPTIONAL ACCESSORIES

- A** Recycled-water solenoid kit (RW60-KIT); purple solenoid with purple warning tag
- B** DC latching solenoid (DCL)  
*Note: Maximum pressure for a valve that utilizes latching solenoid is 120 psi.*
- C** OmniReg® regulator (OMR-30 & OMR-100)



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

## PRESSURE 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	1½"	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					

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



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