

Irritrol®



The Irritrol® 2500 Series is a classic example of value in design. Borrowing heavily from the proven 205 Series valves, the 2500 host a full menu of enhancements including a patented “floating metering system” for consistent performance in dirty water applications and a rugged, double-beaded diaphragm for long-term performance with no leakage. The 2500’s manual internal bleed enables the valve to be opened without filling the valve box with water. And servicing is made easy and efficient with captured screws. These are just some of the features that make the 2500 Series valve rugged for a reason.

2500 SERIES

PVC GLOBE VALVES

PATENTED “FLOATING” METERING SYSTEM

Tolerates dirty water and allows for consistent operation

HIGH-FLOW, LOW FRICTION LOSS DESIGN COMBINED WITH LOW-FLOW CAPABILITY

Can handle a wide range of applications

RUGGED, DOUBLE-BEADED EPDM DIAPHRAGM

Ensures a leak-proof seal

INTERNAL AND EXTERNAL BLEED (FLUSH MODE)

Allows for manual operation

HEAVY-DUTY, CORROSION AND UV-RESISTANT PVC AND STAINLESS STEEL CONSTRUCTION

Proven durability

AVAILABLE IN FEMALE NPT OR SLIP CONFIGURATIONS (NO MALE PIPE ADAPTER REQUIRED)

Will handle all regional installation variances

SELF-ALIGNING BONNET

Permits fast and easy servicing without removal from the system



ELECTRIC GLOBE
3/4" & 1" PVC MODELS

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ADDED FEATURES

- Buna-N valve seat seal
- Debris-tolerant design
- Optional flow control allows precise adjustment and manual shutoff
- Encapsulated injection-molded solenoid with a captive hex plunger
- Removable, tamper-resistant flow control handle
- Easily serviced without removal from the system
- Five-year warranty

OPERATING SPECIFICATIONS

- Flow range: .25-30 GPM
- Pressure range: 10-150 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
2500S	1" slip connection
2500SF	1" slip connection with flow control
2500T	1" NPT threaded connection
2500TF	1" NPT threaded connection with flow control
2507TF	¾" NPT threaded connection with flow control

DIMENSIONS

- 2500: H: 5 1/8", W: 2 3/4", L: 5"
- 2507: H: 5 1/8", W: 2 3/4", L: 5"

SPECIFYING INFORMATION

2500 X F

MODEL	CONFIGURATION	FEATURE
2500 - 2500 globe valve	S - Slip Connection T - NPT Threads	F - Flow Control

Example: A 2500 globe valve with NPT threads and flow control = **2500TF**

2507 T F

MODEL	CONFIGURATION	FEATURE
2507 - 2507 globe valve	T - NPT Threads	F - Flow Control

Example: A ¾" 2507 globe valve with NPT threads and flow control = **2507TF**

FRICITION LOSS DATA

MODEL	SIZE	.25	2	5	10	15	20	30
2500 Series	1"	5.40	3.82	3.00	2.20	1.90	3.10	5.10
2507 Series	¾"	2.75	3.40	3.85	4.00	2.40	3.98	6.19

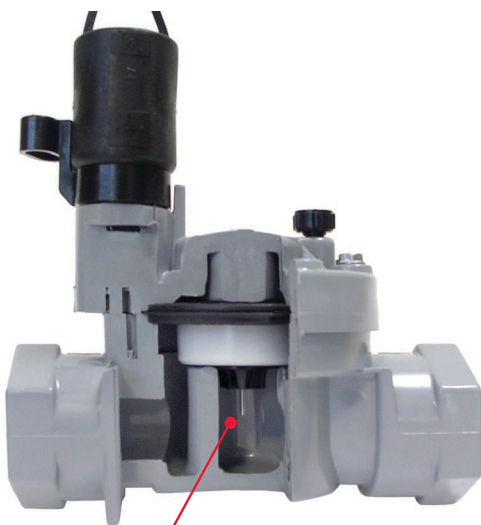
Pressure loss data are derived from valves independently tested by CIT, Fresno, CA.

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.

IDEAL FOR DIRTY WATER APPLICATIONS



Debris-tolerant, patented "floating metering system" makes this valve ideal for wells and dirty water applications



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