

2500 SERIES **ELECTRIC**
GLOBE**3/4" AND 1" PLASTIC MODELS**

The Irritrol® 2500 Series is a classic example of making a great valve even better. Irritrol has taken its proven 205 Series of valves to the next level by adding a full menu of features 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.

KEY FEATURES & BENEFITS

PATENTED “FLOATING METERING SYSTEM”

Allows this valve to easily handle dirty water

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

Can handle a wide range of applications

RUGGED, DOUBLE-BEADED SANTOPRENE® DIAPHRAGM

Ensures a leak-proof seal

INTERNAL AND EXTERNAL BLEED (FLUSH MODE)

Allows for manual operation

FULL STAINLESS-STEEL METERING SYSTEM

Allows for consistent valve 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

IDEAL FOR DIRTY WATER APPLICATIONS



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

FRICITION LOSS DATA

MODEL	SIZE	Flow Rate - GPM						
		.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	3/4"	2.75	3.40	3.85	4.00	2.40	3.98	6.19

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

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 3/4" 2507 globe valve with NPT threads and flow control = **2507TF**



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: 0.25-30 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	3/4" 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"

OPTIONAL ACCESSORIES*

- 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.

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