



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 |
|--|-----------------|-----------------|
| 2500-2507 globe valve | T - NPT Threads | F- Flow Control |
| Example: A 2507 globe valve with NPT threads and flow control= 2507TF | | |

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 connection with flow control |

OVERVIEW

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.

FEATURES

- Patented "floating metering system", allowing this valve to easily handle dirty water
- High-flow, low friction loss design combined with low-flow capability
- Rugged, double-beaded SANTOPRENE® diaphragm, ensuring a leak-proof seal
- Internal and external bleed (flush mode)
- Full stainless-steel metering system
- Heavy-duty, corrosion and UV-resistant PVC and stainless steel construction
- Available in female NPT or slip configurations (no male pipe adapter required)
- Self-aligning bonnet
- 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

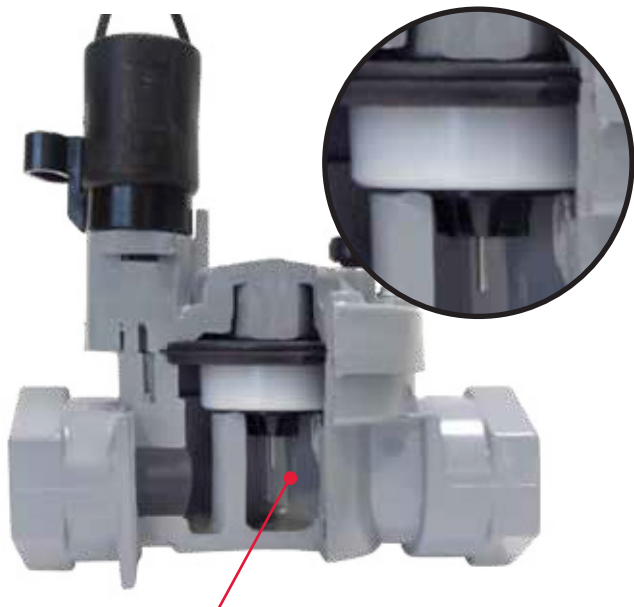
DIMENSIONS

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

Continued



IDEAL FOR DIRTY WATER APPLICATIONS



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

FRICTION LOSS DATA

FLOW RATE - GPM

| 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 | 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.

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

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.

