

2500 SERIES ELECTRICAL GLOBE

1" (25MM) PLASTIC MODELS



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

The new 2500 Series is a classic example of making a great valve even better. Irritrol Systems has taken its proven 205 Series of valves to the next level by adding a full menu of features including a complete stainless steel, self-cleaning metering system 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. Irritrol. **Get more done.**

KEY FEATURES & BENEFITS

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)
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

ADDED FEATURES

- Debris-tolerant, patented floating metering system suitable for wells and dirty water applications
- Captured hex/Phillips screws
- Optional ergonomic flow control allows precise adjustment and manual shutoff
- High-strength ribbed bonnet
- Encapsulated injection-molded solenoid with a captive hex plunger
- Removable, tamper-resistant flow control handle
- Five-year warranty

OPERATING SPECIFICATIONS

- Flow range: 0.25-30 GPM (1-115 L/M)
- Pressure range: 10-150 psi (0,7-10 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
- Holding current: .2 amp

OPTIONAL ACCESSORIES

- IBOC300-9V battery operated "on valve" controller
- Recycled-water solenoid kit (RW60-KIT); purple solenoid with purple warning tag
- DC latching solenoid (E2003). *Note: Maximum pressure for a valve that utilizes E2003 latching solenoid is 120 psi (8 Bars).*

SPECIFYING INFORMATION

2500 X F

MODEL	CONFIGURATION	FLOW CONTROL
2500S	Slip Connection	NO
2500SF	Slip Connection	YES
2500T	NPT Threads	NO
2500TF	NPT Threads	YES

DIMENSIONS

H	5 1/8" (130mm)
W	2 3/4" (70mm)
L	5" (127mm)

Model	Size	Flow Rate-GPM								Pressure Loss-PSI
		.25	2	5	10	15	20	30		
2500 Series	1"	5.40	3.82	3.00	2.20	1.90	3.10	5.10		

1) When designing a system, the industry standard for flow rate velocity through pipes and fittings is 5 FPS.

Metric

Flow L/M	2500	
	Bar	kPa
1	0,37	37,2
8	0,24	24,3
20	0,21	20,7
40	0,16	15,9
60	0,14	13,9
80	0,23	22,7
100	0,37	36,9
120	0,52	52,2
140	0,71	70,8



2500T NPT Threaded