

**205** SERIES ELECTRICAL GLOBE

**1" (25MM) PLASTIC MODELS**



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

**KEY FEATURES & BENEFITS**

**HEAVY-DUTY, CORROSION AND UV-RESISTANT PVC CONSTRUCTION**  
Proven durability

**HIGH-FLOW, LOW-FRICTION-LOSS DESIGN**  
More efficient system design and low-flow capability

**RUGGED, NYLON-REINFORCED BUNA-N DIAPHRAGM**  
Ensures a leak-proof seal

**AVAILABLE IN FEMALE NPT OR SLIP CONFIGURATIONS (NO MALE PIPE ADAPTER REQUIRED)**  
Will handle all regional installation variances

The 205 Series 1-inch plastic valve is the irrigation industry's time-tested leader for dependable operation in potable and dirty water applications. With a proven track record of success in a wide range of environments, these debris-tolerant valves are available with flow control as an optional feature. Constructed of heavy-duty, corrosion- and UV-resistant PVC, the 205 Series features a high-flow, low-friction-loss-design that has a pressure range of 10-150 psi and flow range of .25-30 GPM. A manual bleed and a rugged, nylon-reinforced Buna-N diaphragm add to this valve's wide popularity. Irritrol. *Get more done.*

## ADDED FEATURES

- Buna-N valve seat seal
- Manual external bleed
- 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 (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

205 X X		
MODEL	CONFIGURATION	FLOW CONTROL
205S	Slip Connection	NO
205SF	Slip Connection	YES
205T	NPT Threads	NO
205TF	NPT Threads	YES

### DIMENSIONS

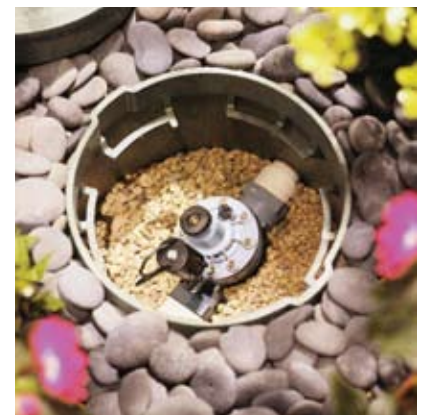
H	5 1/8" (130mm)
W	2 3/4" (70mm)
L	5" (127mm)

Model	Size	Flow Rate-GPM							Pressure Loss-PSI
		.25	2	5	10	15	20	30	
205 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	205	
	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



205T Threaded