

205 SERIES ELECTRIC GLOBE/ANGLE

1" PLASTIC MODELS



The Irritrol® 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.

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

OPTIONAL FLOW CONTROL

Allows precise adjustment and manual shutoff

OVER 40 YEARS OF DEPENDABILITY



A flat fiber washer diaphragm allows the 205 to work in a wide flow range as well as easily handle debris

FRICTION LOSS DATA

| MODEL | SIZE | Flow Rate - GPM | | | | | | |
|------------|------|-----------------|------|------|------|------|------|------|
| | | .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) Pressure loss data are derived from valves independently tested by CIT, Fresno, CA.

SPECIFYING INFORMATION

| 205 | X | F |
|---|--|------------------|
| MODEL | CONFIGURATION | FEATURE |
| 205 - 205 globe valve | S - Slip Connection T - NPT Threads | F - Flow Control |
| Example: A 205 globe valve with NPT threads and flow control = 205TF | | |



ADDED FEATURES

- Buna-N valve seat seal
- Manual external bleed
- Debris-tolerant design
- 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 |
|-------|--|
| 205S | 1" slip connection |
| 205SF | 1" slip connection with flow control |
| 205T | 1" NPT threaded connection |
| 205TF | 1" NPT threaded connection with flow control |

DIMENSIONS

- 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.