



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 2-30 GPM. A manual bleed and a rugged, nylon-reinforced Buna-N diaphragm add to this valve's wide popularity.

The 205 Series — work horse performance from a thoroughbred body.

**205 SERIES**

**V A L V E S**

**1"**  
plastic models

**Features**

Performance

- Flow range from 2-30 GPM
- Pressure range from 10-150 psi
- Manual external bleed
- Debris-tolerant design
- High flow, low-friction-loss design
- Optional flow control for precise flow adjustment and manual shutoff

**Quality Construction**

- Heavy-duty, corrosion- and UV-resistant PVC construction
- Rugged, nylon-reinforced Buna-N diaphragm
- Encapsulated solenoid
- Available in female NPT or slip configuration
- Removable, tamper-resistant flow control handle
- Easily serviced without removal from the system

**Electrical Specifications**

- Solenoid: 24 V ac
- Inrush volt-amp: 24 V ac-11.50 VA
- Inrush current: .4 amp
- Holding volt-amp: 24 V ac-5.75 VA
- Holding current: .2 amp

**U.S.**

Flow Rate-GPM

Model	Size	2	5	10	15	20	30	40
205 Series	1"	3.82	3.00	2.20	1.90	3.10	5.10	11.40

Pressure Loss-PSI

1) When designing a system, the industry standard for flow rate velocity through pipes and fittings is 5 FPS.  
2) Pressure loss data are derived from valves independently tested by CIT, Fresno, CA.

**Metric**

Flow L/M	205 Series	
	Bar	kPa
8	0,26	26,3
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

Note: Add "MT" for BSP thread, 50 Hz configuration, i.e., "205 MT."

**Specifying Information**



Model	Configuration	Flow Control
205S	slip connection	no
205SF	slip connection	yes
205T	NPT threads	no
205TF	NPT threads	yes



BEYOND THE EXPECTED

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