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V A L V E S



ELECTRIC ANTI-SIPHON

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The irrigation industry's premier anti-siphon valves, Irritrol Systems' 311 Series offers a comprehensive package of performance-enhancing features.

Beginning with the reliability of a leak-proof double-beaded nylon-reinforced Buna-N diaphragm, the strength of glass-filled nylon, and the expanded range of a maximum working pressure rating of 150 psi, the 311 Series' list of features easily outdistances the competition. Unique to these top-of-the-line models is their compatibility with the OmniReg™ modular pressure regulator, making them the industry's only anti-siphon valves with a pressure regulation option.

Additional features include an upgraded bonnet design, a self-cleaning metering system for dirty water applications and a captive plunger solenoid. Plus, the actuator module is removable as a single unit, with the diaphragm and internal components held in place, which means no more lost diaphragm screws and springs during installation.

The 311 Series — performance and quality from the inside out.

Irritrol[®]
SYSTEMS

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V A L V E S

3/4" and 1" plastic models

Features

Performance

- Flow range from 1-30 GPM
- Pressure range from 10-150 psi
- Operating temperature up to 130°F
- Internal and external bleed for manual operation
- Accepts OmniReg™ modular pressure regulator
- Flow control allows precise flow adjustment and manual shutoff

Quality Construction

- Upper-body constructed of glass-filled nylon
- Lower-body constructed of heavy-duty, corrosion- and UV-resistant PVC
- Air-vent cap constructed of glass-filled nylon
- Double-beaded nylon-reinforced Buna-N diaphragm and seals
- All stainless steel hardware and springs
- Stainless steel bonnet screws with threaded brass inserts
- Captive plunger solenoid
- Polypropylene float

- Removable, tamper-resistant flow control handle
- Removable, self-cleaning metering system for dirty or effluent water applications
- Meets listing requirements of IAPMO-UPC and City of Los Angeles

Dimensions

- Height: 8 1/2"
- Width: 3 5/8"
- Depth: 6"

Electrical Specifications

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

Optional Accessories

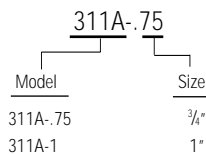
- OmniReg™ modular regulator (5-100 psi:OMR-100); (5-30 psi: OMR-30)
- DC latching solenoid (E2002)
- Reclaimed water solenoid kit (RW60-KIT)
- Solenoid conduit adapter (for use with 1/2" electric conduit) (811-20)

Model	Size	Flow Rate-GPM								Pressure Loss-PSI
		1	5	10	15	20	25	30		
311A-.75	3/4"	5.5	6.0	8.0	9.0	11.0				
311A-1	1"	5.5	6.0	7.5	8.5	10.0	13.0	18.5		

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.

MODELS HOW TO SPECIFY



NOTE: Anti-siphon valve is to be mounted above ground at least 6" above highest sprinkler head (consult local codes).



BEYOND THE EXPECTED

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