

311A SERIES **ELECTRIC**
ANTI-SIPHON**3/4" AND 1" PLASTIC MODELS**

The Irritrol® 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. Compatibility with the OmniReg® modular pressure regulator make 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.

KEY FEATURES & BENEFITS

UPPER BODY AND AIR-VENT CAP CONSTRUCTED OF GLASS-FILLED NYLON

Provides long-term performance

RUGGED, DOUBLE-BEADED NYLON-REINFORCED BUNA-N DIAPHRAGM

Ensures a leak-proof seal

INTERNAL AND EXTERNAL BLEED (FLUSH MODE)

Manual operation

ACCEPTS OMNIREG MODULAR PRESSURE REGULATOR

Ensures consistent performance

EXTERNALLY REMOVABLE SELF-CLEANING METERING SYSTEM

Ensures consistent performance in recycled-water applications

PREMIER ANTI-SIPHON VALVES

An externally removable self-cleaning metering system makes this valve ideal for wells and dirty water

Bonnet made of glass-filled nylon for added durability

Built-in atmospheric vacuum breaker keeps drinking water safe



FRICTION LOSS DATA

MODEL	SIZE	Flow Rate - GPM						
		1	5	10	15	20	25	30
311A-.75	¾"	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) Pressure loss data are derived from valves independently tested by CIT, Fresno, CA.

SPECIFYING INFORMATION

311A - **XX**

MODEL	SIZE
311A - 311 electric anti-siphon valve	.75 - ¾" size 1 - 1" size

Example: A 311 electric anti-siphon 1" valve = **311A-1**

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



ADDED FEATURES

- Flow control allows precise adjustment and manual shutoff
- Lower body constructed of heavy-duty, corrosion- and UV-resistant PVC
- Buna-N valve seat seal
- All stainless steel hardware and springs
- Unique three-way stainless steel bonnet screws with threaded-brass inserts
- Encapsulated injection-molded solenoid with a captive hex plunger
- Removable, tamper-resistant flow control handle
- Meets listing requirements of IAPMO-UPC and City of Los Angeles
- Five-year warranty

OPERATING SPECIFICATIONS

- Flow range: 1-30 GPM
- Pressure range: 10-150 psi
- Operating temperature: up to 130° F

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
311A-.75	¾" flow control, internal bleed
311A-1	1" flow control, internal bleed

DIMENSIONS

- **311A-.75**: H: 8 ½", W: 3 ⅝", L: 6"
- **311A-1**: H: 8 ½", W: 3 ⅝", L: 6"

OPTIONAL ACCESSORIES*

- OmniReg® 5-30 psi regulator (OMR-30)
- OmniReg 5-100 psi regulator (OMR-100)
- 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.

- Weatherproof gauge (SPK-100)

* Optional accessories are field-installable. Must specify separately if required.

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