

Irritrol®



The Irritrol® 311 Series offers a comprehensive package of performance-enhancing features. Beginning with the reliability of a leak-proof, double-beaded, nylon-reinforced EPDM 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 modular adjustable 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.

311A SERIES

PREMIER ANTI-SIPHON VALVES

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

Provides long-term performance

RUGGED, DOUBLE-BEADED NYLON-REINFORCED EPDM 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



ELECTRIC ANTI-SIPHON
¾" & 1" MODELS

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ADDED FEATURES

- Buna-N valve seat seal
- 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: 1-30 GPM
- Pressure range: 10-150 psi
- Operating temperature: up to 120° 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"

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).

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

Pressure loss data are derived from valves independently tested by CIT, Fresno, CA.

OPTIONAL ACCESSORIES

- A** Recycled-water solenoid kit (RW60-KIT); purple solenoid with purple warning tag
- B** DC latching solenoid (DCL)
Note: Maximum pressure for a valve that utilizes latching solenoid is 120 psi.
- C** OmniReg® regulator (OMR-30)

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

PREMIER ANTI-SIPHON VALVES



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