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
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

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
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<tbody>
<tr>
<td>311A-.75</td>
<td>¾” flow control, internal bleed</td>
</tr>
<tr>
<td>311A-1</td>
<td>1” flow control, internal bleed</td>
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</tbody>
</table>

DIMENSIONS

- 311A-.75: H: 8 ½”, W: 3 5⁄8”, L: 6”
- 311A-1: H: 8 ½”, W: 3 5⁄8”, 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)
- Weatherproof gauge (SPK-100)

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

SPECIFYING INFORMATION

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).

We reserve the right to improve our products and make changes in the specifications and designs without notice and without incurring obligation. Products depicted in this brochure are for demonstration purposes only. Actual products offered for sale may vary in design and features.