

# Irritrol®



The Irritrol® anti-siphon 2700 Series valves offer optimum performance, reliability and ease-of-use for a wide variety of residential applications. Featuring anti-siphon capability, this family of plastic valves also features flow control for precise flow adjustment, manual shutoff and a built-in atmospheric vacuum breaker to eliminate back siphonage. Available in electric and manual models, these valves also feature a flow range from .25 to 30 GPM and a pressure range from 10 to 150 psi.

## 2700 SERIES VALVES

### **RUGGED, DOUBLE-BEADED EPDM DIAPHRAGM**

Ensures a leak-proof seal

### **INTERNAL AND EXTERNAL BLEED (FLUSH MODE)**

Allows for manual operation

### **FULL STAINLESS-STEEL METERING SYSTEM (DPR MODELS)**

Consistent valve operation

### **PATENTED "FLOATING METERING SYSTEM" (APR MODELS)**

Consistent valve operation

### **HEAVY-DUTY, CORROSION- AND UV-RESISTANT PVC, GLASS-FILLED POLYPROPYLENE (DPR MODELS ONLY) AND STAINLESS STEEL CONSTRUCTION**

Durable, long-term performance

### **SELF-ALIGNING BONNET WITH CAPTURED HEX/PHILLIPS SCREWS**

Permits fast and easy servicing without removal from the system (APR models)

### **THREADED BONNET DESIGN**

Allows easy servicing without removal from the system (DPR models)

### **PATENTED, TAMPER-RESISTANT FLOW-CONTROL MECHANISM**

Allows for precise water flow (DPR models)



A double-beaded EPDM diaphragm gives you the security that your valve will continue to operate without leaks, time after time



ELECTRIC & MANUAL ANTI-SIPHON  
3/4" AND 1" PVC MODELS

[IRRITROL.COM](http://IRRITROL.COM)

## ADDED FEATURES

- Buna-N valve seat seal
- Flow control for precise adjustment and manual shutoff
- Gravity-type anti-siphon poppet
- Encapsulated injection-molded solenoid with a captive hex plunger
- Removable, ergonomic, tamper-resistant flow-control handle (APR models)
- Electric H-body with atmospheric vacuum breaker
- Five-year warranty

## OPERATING SPECIFICATIONS

- Flow range: .25-30 GPM
- Pressure range: 10-150 psi

## SPECIFYING INFORMATION

**270** — **X** — **PR**

MODEL	SIZE	TYPE
270 - 2700 manual valve	6 - ¾" size 9 - 1" size	PR - anti-siphon

Example: A 2700 manual ¾", anti-siphon valve = **2706PR**

**271** — **X** — **X** — **PR**

MODEL	SIZE	OPTION	TYPE
271 - 2700 electric valve	1 - ¾" size 3 - 1" size	A - stainless screws D - threaded bonnet	PR - anti-siphon

Example: A 2700 electric 1" anti-siphon valve with stainless screws = **2713APR**

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

## 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
- Meets listing standards of ASSE, IAPMO and CSA

## MODELS

Model	Description
2711APR	¾" electric, flow control, stainless screw bonnet
2713APR	1" electric, flow control, stainless screw bonnet
2711DPR	¾" electric, flow control, threaded bonnet
2713DPR	1" electric, flow control, threaded bonnet
2706PR	¾" manual
2709PR	1" manual

## DIMENSIONS

- **2706**: H: 4 7/8", W: 2 5/8", L: 5 3/4"
- **2709**: H: 5 1/16", W: 3 1/8", L: 6 1/4"
- **2711**: H: 5 5/8", W: 3", L: 6 1/4"
- **2713**: H: 6", W: 3", L: 6 7/8"

## OPTIONAL ACCESSORIES\*

- (A) Recycled-water solenoid kit (RW60-KIT); purple solenoid with purple warning tag
- (B) DC latching solenoid (DCL) †
- (C) Threaded bonnet wrench (2400-45) for DPR models

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

## PRESSURE LOSS DATA

MODEL	SIZE	Flow Rate - GPM				
		5	10	15	20	25
2706PR	¾"	1	3	5		
2709PR	1"	1	1	2	4	6

MODEL	SIZE	Flow Rate - GPM						
		.25	2	5	10	15	20	30
2711APR & DPR	¾"	5.0	5.8	4.14	4.11	4.72	7.60	
2713APR & DPR	1"	5.0	5.5	2.03	3.10	2.22	3.72	8.01

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



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