

MANUAL/ELECTRIC

2700 SERIES (ANTI-SIPHON)

V A L V E S



MANUAL/ELECTRIC

2700

series (anti-siphon)

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Irritrol Systems' 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 features flow control for precise flow adjustment and manual shutoff, and a built-in atmospheric vacuum breaker to eliminate back siphonage.

Available in electric and manual models, these $\frac{3}{4}$ -inch and one-inch valves also feature a flow range from five to 30 GPM and a pressure range from 10 to 150 psi.

The 2700 Series — The next generation in valves.

Irritrol[®]
SYSTEMS

2700 SERIES (ANTI-SIPHON)

VALVES

3/4" and 1"
plastic models

2700 Series (Electric)

Electric APR and DPR Models
(2711APR, 2713APR, 2711DPR
and 2713DPR)

Features

Performance

- Flow range from 5-30 GPM
- Pressure range from 10-150 psi
- Manual internal bleed
- Manual external bleed (flush mode)
- Flow control allows precise flow adjustment and manual shutoff

Quality Construction

- Heavy-duty, corrosion- and UV-resistant PVC, glass-filled polypropylene and stainless steel construction
- Rugged, double-beaded SANTOPRENE® diaphragm provides leak-proof seal
- Buna-N valve seat seal
- Encapsulated injection-molded solenoid
- Captive plunger
- Full stainless steel metering system
- Easily serviced without removal from system
- Gravity-type anti-siphon poppet
- Electric H-body atmospheric vacuum breaker
- Meets listing standards of ASSE, IAPMO and CSA

APR Models (2711APR and 2713APR)

- Removable, ergonomic tamper-resistant flow control handle
- Self-aligning bonnet permits fast and easy servicing
- Captured hex/Phillips screws
- High-strength ribbed bonnet

2711APR



		Flow Rate-GPM					Pressure Loss-PSI
Model	Size	5	10	15	20	30	
2711	3/4"	4.14	4.11	4.72	7.60		
2713	1"	2.03	3.10	2.22	3.72	8.01	

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.

DPR Models (2711DPR and 2713DPR)

- Patented, tamper-resistant flow control mechanism
- Threaded bonnet permits fast and easy servicing
- Threaded bonnet jar top

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

- Threaded bonnet wrench (2400-45: DPR models)
- DC latching solenoid (E2002)

Note: Maximum pressure for a valve that utilizes E2002 latching solenoid is 120 psi.

- Reclaimed water solenoid kit (RW60-Kit); purple solenoid with purple warning tag



MODELS HOW TO SPECIFY

2711 APR		
Model	Size	Threaded Bonnet/ Stainless Steel Screws Options
2711APR	3/4"	SS
2713APR	1"	SS
2711DPR	3/4"	TB
2713DPR	1"	TB

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

2700 SERIES (ANTI-SIPHON)

VALVES

3/4" and 1"
plastic models

2700 Series (Manual)

Manual PR Models (2706PR
and 2709PR)

Features

Performance

- Flow range from 5-30 GPM
- Pressure range from 10-150 psi
- Flow control allows precise flow adjustment and manual shutoff

Quality Construction

- Heavy-duty, corrosion- and UV-resistant PVC construction
- Convenient manual control handle
- Hand-tight pipe thread connection provides positive seal
- Manual H-body atmospheric vacuum breakers can be converted to electric operation with 756 DPR adapter
- Non-rotating Buna-N shutoff seal for long-term performance
- Contamination guard protects valve stem threads
- Easily serviced without removal from system
- Meets listing standards of ASSE, IAPMO and City of Los Angeles



Model	Size	Flow Rate-GPM					Pressure Loss-PSI
		5	10	15	20	25	
2706PR	3/4"	1	3	5			
2709PR	1"	1	1	2	4	6	

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

2706 PR		
Model	Type	Size
2706PR	anti-siphon	3/4"
2709PR	anti-siphon	1"

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

Irritrol
SYSTEMS

BEYOND THE EXPECTED

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