

# HYDRO-RAIN®

Built for Speed™

# HRA VALVES

Reliable, Tough and Easy to Use—This Valve Has It All. The HRA Series valves deliver the goods in landscape sprinkler markets that require backflow prevention. Hydro-Rain's HRA Series "Anti-Siphon" valves help protect potable water from backflow contamination, so their reliability is paramount. Not only must they be rugged enough to provide continuous protection, but they have to do that in even the most punishing environments. The HRA series delivers the goods. Its advanced design incorporates an accessible commercial grade high heat resistant glass-filled lid and an atmospheric vacuum breaker to reduce the risk of backflow and contamination, meeting all ASSE, CSA and IAPMO standards.

### BUILT FOR SPEED ADVANTAGES

- **Fast and Reliable Flow Control**—Quick adjustment with water off or on reduces flow and or shuts the valve off completely.
- **Manual Internal Bleed** —Provides easy fast action to turn valve on and off during service or routine maintenance.

### BUILT FOR GREEN ADVANTAGES

- **Ultra Low Flow**—Allows operation at lowest possible flows to boost water savings.
- **Backflow Prevention**—Reduces the probability of grey water mixing into primary water supply through siphonage from the sprinkler heads.

### FEATURES AND BENEFITS

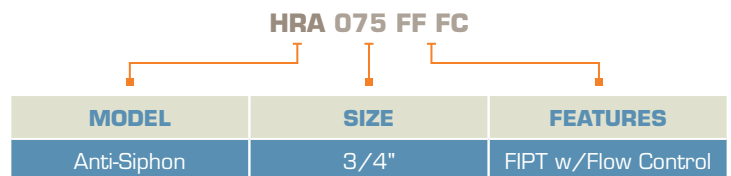
- **Commercial-Grade Construction**—Features glass filled polypropylene lid for reliable use even where sunlight creates temperatures near buildings of up to 137 degrees fahrenheit.
- **Buna-n Valve Seat**—Delivers positive closure and eliminates weeping.
- **Low-Rlow Capable**—Operates efficiently from 1 to 30 GPM.
- **Stainless Steel Metering**—Ensures optimal diaphragm performance.
- **Manual Internal Bleed**—Allows for fast seasonal startup and shutdown.
- **High Performance Solenoid**—Features 18" Hydro-rain blue lead wires and captured plunger.



### MODELS SKU DESCRIPTION

MODELS	SKU	DESCRIPTION
HRA-075-FF-FC	02013	075 ¾" ASV Automatic Valve w/Flow Control
HRA-100-FF-FC	02014	100 1" ASV Automatic Valve w/Flow Control

### HOW TO SPECIFY



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- **Atmospheric Vacuum Breaker**—Prevents back flow into water source (meets ASSE, CSA and IAPMO standards, Los Angeles City Approved).
- **Model Versatility**—Provides 3/4" and 1" compatibility with brass valve ASV footprint for easy replacement models.
- **Remote Operation Option**—Adapts easily to Hydro-rain HRC 990 series battery operated controller/DC latching solenoid for "wireless" field operation.

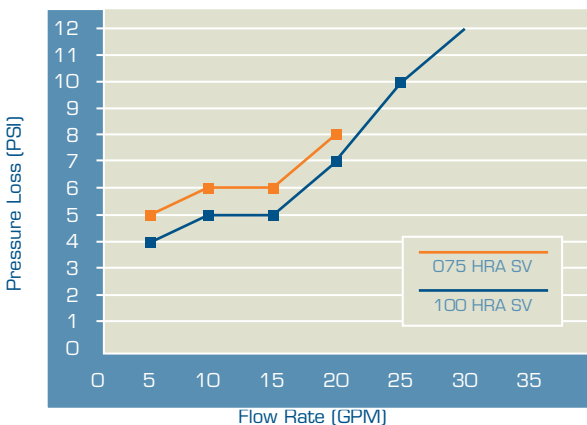
## OPERATING RANGE

- **Flow:** 1 to 30 GPM (1 to 115 LPM)
- **Pressure Range:** 10 to 150 PSI (0,7 to 10 Bar)
- **Dimensions:**
  - Height: 6.5" (16,5 cm)
  - Length: HRA 075—6" (15,2 cm) / HRA 100—6" (15,4 cm)
  - Width: 3" (7,6 cm)
  - Footprint: HRA 075—3.5" (10,1 cm) on center / HRA 100—3.5" (10,1 cm) on center

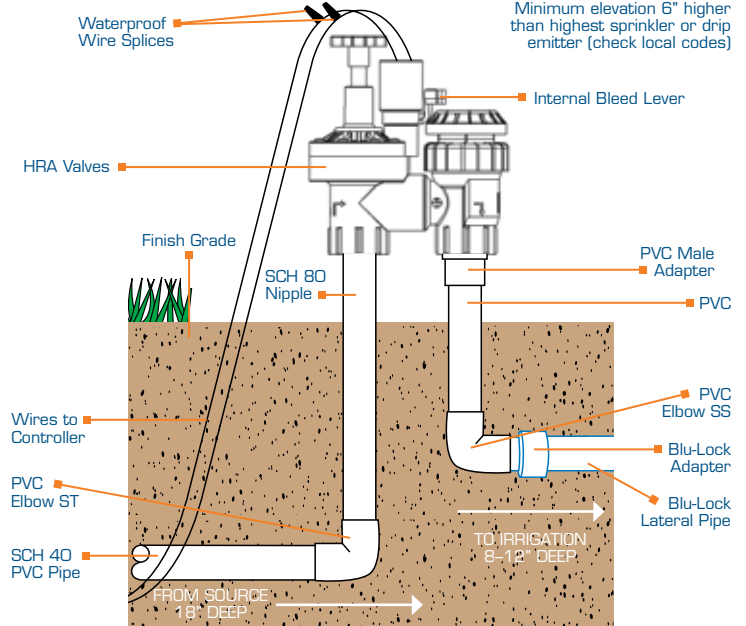
## OPERATING RANGE

- 24 VAC 50/60 (Cycle/Sec) Solenoid
- **Inrush Current:** .30 A (7.2 VA) at 60 HZ
- **Holding Current:** .19A (4.6VA) at 60 HZ
- **Coil Resistance:** 42 to 55 OHMS
- **Ambient Temperature:** Up to 137° F (58,3° C)

## PRESSURE LOSS



## INSTALLATION SPECIFICATION DETAIL



## HRA CUTAWAY

