

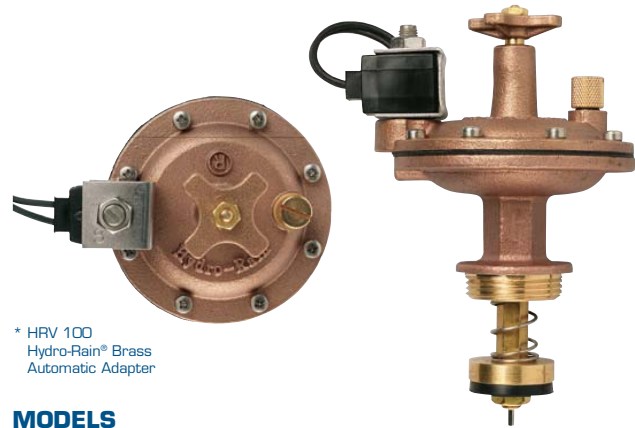


# HRV 100

Introducing a new breed of Brass Automatic Adapter Valves by Hydro-Rain® Irrigation Products. Made of heavy-duty solid brass construction—including the flow-control handle—these valves are built to last! Attention to detail places the HRV valves a head above the competition. We've added a taller, easy-to-grip brass bleed screw for manual operation and a hefty stainless steel sheathed open frame solenoid. HRV valve models include both 3/4" and 1" thread sizes and are compatible with Lawnlife®, Champion®, and Rain Bird® manual valves. (Straight Valve, Angle Valve, Anti-Siphon Valve).

## FEATURES AND BENEFITS

- **Solid brass construction**—For high durability under even the harshest environmental conditions
- **Open frame solenoid**—Stainless steel frame components provide protection against corrosion 18" wires offer installation convenience
- **Flow control stem**—Regulates water flow from full-flow on to off, brass handle is standard on all models
- **External manual bleed**—Large easy grip manual on/off screw for "at the valve" operation
- **Durable diaphragm**—Self cleaning pilot hole design and heavy duty construction provides years of maintenance free operation
- **Operates at high pressure**—Fully functional up to 150 PSI
- **Slow closing**—Design prevents water hammer, reducing stress on the entire irrigation system
- **Versatility**—For use with all 24-Volt sprinkler controllers and 3/4" and 1" sprinkler valve bodies



\* HRV 100  
Hydro-Rain® Brass  
Automatic Adapter

## MODELS

HRV-075-EA-CH	3/4" Brass Automatic Adapter
HRV-100-EA-CH	1" Brass Automatic Adapter
HRV-075-EA-LN	3/4" Brass Anti-Siphon Body Less Union/Stem
HRV-100-EA-LN	1" Brass Anti-Siphon Body Less Union/Stem

## HOW TO SPECIFY

HRV 075 EA CH		
MODEL	SIZE	FEATURES
Hydro-Rain Valve	3/4"	Electric Adapter - Thread Type





# HRV 100

## OPERATING RANGE

- Flow Rate:
  - HRV075 w/ASV body 3 to 22 GPM (0,68 to 5,0 m<sup>3</sup>/h; 0,01 to 1,39 l/s)
  - HRV100 w ASV body 3 to 40 GPM (0,68 to 5,0 m<sup>3</sup>/h; 0,19 to 2,52 l/s)
- Pressure: 150 PSI (10,3 BAR) Max
- Water Temperature: Up to 110° F (43°C)
- Ambient Temperature: Up to 145° F (62°C)
- Dimensions:
  - HRV-075/100-EA-CH Height: 6 1/4" (15,9 cm)
  - HRV-075/100-EA-CH Width: 4" (10,2 cm)
  - HRV-075-EA-LN Footprint: 4" (10,2 cm)
  - HRV-100-EA-LN Footprint: 4 3/4" (11,1 cm)

## ELECTRICAL SPECIFICATIONS

- HRV-075/100-EA-CH: 24 VAC 50/60 HZ Solenoid
- Inrush Current: .30 A (7.2 VA) at 60 HZ
- Holding Current: .19 A (4.6VA) at 60 HZ
- Coil Resistance: 42 to 55 OHMS

## HRV PRESSURE LOSS (PSI) ASV CONFIGURATION

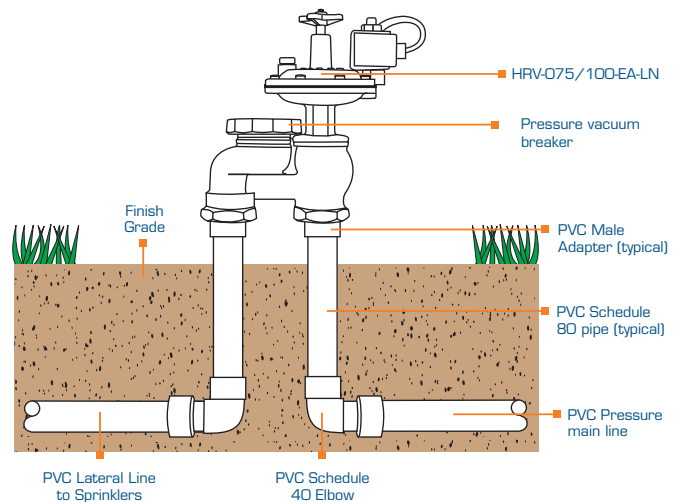
FLOW (GPM)	HRV-075-EA-CH	HRV-100-EA-CH
3	3.6	3.1
5	4.2	4
10	5.7	5.4
20	8.6	7.3
30		10.3
40		15.9

## HRV PRESSURE LOSS (BAR) ASV CONFIGURATION

FLOW (M <sup>3</sup> /H)	FLOW (L/S)	HRV-075-EA-CH	HRV-100-EA-CH
0,68	0,19	0,25	0,21
1,14	0,32	0,29	0,28
2,27	0,63	0,39	0,37
4,54	1,26	0,59	0,50
6,81	1,89		0,71
9,08	2,52		1,10

03122-36 Rev A

## INSTALLATION SPECIFICATION DETAIL



## HRV 100 CUTAWAY

