

Technical Data

Rain Bird > Electrovalves

> HV Series



DESCRIPTION:

Features

- Patented, eccentric, balanced pressure, Buna-N diaphragm with selfcleaning 90-mesh (200 micron) pilot water filter and captured stainless steel spring – eccentric design provides smoother closing, less water hammer
- Only four durable, captured multi-drive bonnet screws that come out with half the number of turns for fast and easy servicing – at least twice as fast as the competition
- Glass-filled polypropylene body for strength (slip by slip model bodies are PVC)
- All popular model configurations available
- Compact design, 2,54" spin radius for tight installations
- Reverse flow, normally closed design
- External bleed to manually flush system of dirt and debris during installation and system start-up
- Internal bleed for spray-free manual operation
- Operates in low-flow and landscape drip application when a 200 mesh filter is installed upstream

Specifications

- Pressure: 1,0 to 10,3 bar
- Flow: 0,05 to 6,82 m³/h; for flows below 0,68 m³/h or any landscape drip application, use a 200 mesh filter installed upstream
- Operating temperatures: water temperature up to 43° C; ambient temperature up to 52° C
- 24 V AC 50/60 Hz (cycles/sec.) solenoid
- Inrush current: 0,290 A at 50/60 Hz
- Holding current: 0,091 A at 50/60 Hz
- Solenoid coil resistance: 70-85 Ohms (4,4 °C - 43 °C)

Dimensions

- Height: 11,7 cm
- Height (F): 14,3 cm
- Height (MB): 11,4 cm
- Length: 11,2 cm
- Length (MB): 14,4 cm
- Width: 7,9 cm

PRESSURE DROP OF THE HV VALVE

Flow rate m ³ /h	HV Ø 1"		HV-MM Ø 1"
	bar		
0,25	0,11		0,12
0,75	0,14		0,14
1,00	0,16		0,16
2,00	0,23		0,19
5,00	0,32		0,31
7,50	0,42		0,54
9.10	0.57		0.94

HV SERIES 24V AC

Code	Mod.	Flow control	Couplings	Ø	PN	Q _{max} m ³ /h	Box
OVA081	H01000	No	F/F	1"	10	9,1	20
OVA082	H05000	No	M/M	1"	10	9,1	20
OVA083	H01010	Si	F/F	1"	10	9,1	20

HV SERIES 9V DC LATCH

Code	Mod.	Flow control	Couplings	Ø	PN	Q _{max} m ³ /h	Box
OVA084	H01040	No	F/F	1"	10	9,1	20
OVA085	H05040	No	M/M	1"	10	9,1	20