

HYDRAULIC VALVE

BH series hydraulic control valve is hydraulically operated, diaphragm actuated control valve that movement smooth, pressure adjustment accuracy, reaction sensitive, protected filtration system and irrigation system.

This type electric switch valve is hydraulically operated, diaphragm actuated control valve, which opens in response to a remote pressure rise command and shuts in the absence of that command.



FEATURE & ADVANTAGE

- ✓ Hydraulically Controlled, Normally Closed Valve
 - Line pressure driven
 - Closes upon control failure
 - Amplifies and relays weak remote command
- ✓ Engineered Plastic Valve with Industrial Grade Design
 - Highly durable, chemical and cavitation resistant
 - No internal bolts and nuts
- ✓ High Flow "Y" Valve Body with "Look Through" Design
 - Ultra-high flow capacity, low pressure loss
- ✓ Unitized Flexible Super Travel (FST) Diaphragm and Guided plug
 - Smooth closing
 - Requires low opening and actuation pressure
 - Prevents diaphragm erosion and distortion
- ✓ Simple In-Line Inspection and Service

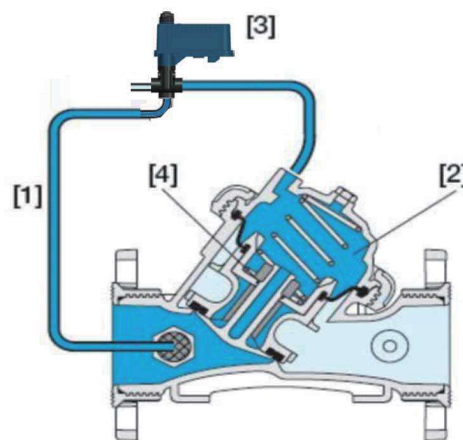
TYPICAL APPLICATION

Computerized Irrigation Systems; Remote Elevated Systems; Turf Irrigation or Buried Pipeline Irrigation; Greenhouse Irrigation ; Low Supplied Pressure Irrigation System; Energy Saving Irrigation Systems.



HOW IT WORKS

Line pressure [1] is applied to the Control Chamber [2] through the held open, 3-Way Hydraulic Relay Valve (3W-HRV). This creates superior closing force that moves the Diaphragm [4] Assembly to a closed position. Upon pressure rise command, the 3W-HRV switches, releasing pressure from the control chamber and thereby opening the Main Valve. The 3W-HRV also features local manual opening and closing.



MODEL & SPECIFICATION

MODEL	CONNECTIONS SIZE	CONNECTIONS	VOLTAGE (V)	MAX FLOW (m ³ /h)	MAX PRESSURE (bar)	WEIGHTS (kg)
BH-S-20	3/4"×3/4"	BSPT/NPT	AC24V/DC24V/DC12V(Latch)	5	0.35-10	0.29
BH-S-25	1"×1"	BSPT/NPT	AC24V/DC24V/DC12V(Latch)	5	0.35-10	0.31
BH-S-40-T	1.5"×1.5"	BSPT/NPT	AC24V/DC24V/DC12V(Latch)	13	0.35-10	1.2
BH-S-50-T	2"×2"	BSPT/NPT	AC24V/DC24V/DC12V(Latch)	23	0.35-10	1.33
BH-S-40	1.5"×1.5"	BSPT/NPT	AC24V/DC24V/DC12V(Latch)	15	0.35-10	1.56
BH-S-50	2"×2"	BSPT/NPT/VIC	AC24V/DC24V/DC12V(Latch)	25	0.35-10	1.96
BH-S-80F	3"×3"	BSPT/NPT/VIC/ Flanges	AC24V/DC24V/DC12V(Latch)	50	0.35-10	2.04 (with Flanges:3.42)
BH-S-100F	4"×4"	Flanges	AC24V/DC24V/DC12V(Latch)	100	0.35-10	6
BH-S-150F	6"×6"	Flanges	AC24V/DC24V/DC12V(Latch)	150	0.35-10	11.8

DIMENSION

MODEL	L (mm)	W (mm)	H (mm)
BH-S-20	110	75	120
BH-S-25	110	75	120
BH-S-40-T	172	126	171
BH-S-50-T	172	126	171
BH-S-40	226	120	150
BH-S-50	230	150	200
BH-S-80F	320	160	250
BH-S-100F	350	170	300
BH-S-150F	436	240	390

