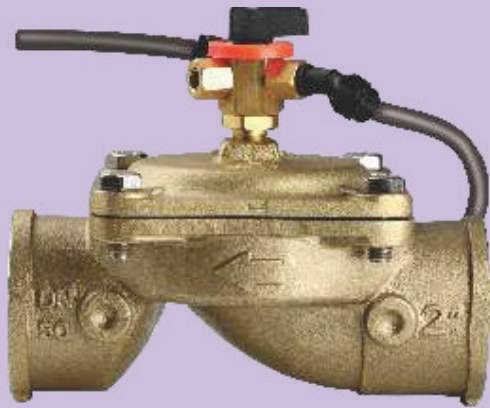


Bronze Hydraulic Control Valve

1", 1½" & 2"



Hydraulically operated valve for green house irrigation system as well as turf and field crop irrigation.

Features

- Simple and robust design, only 4 parts involved.
- Bronze Body and cover plate for durability and corrosion resistant.
- Metal reinforced rubber valve lid designed for smooth operation without deformation at high pressure with drop tight shutoff.
- Very less down time.
- Minimum Head loss due to very efficient internal design.
- Arrow for correct installation of hydraulic valve.
- Compatible with most irrigation controllers available in market.

Hydraulic Valve Operation (3 Way control)

- Full Close Position: This device admits pressure into the control Chamber.
- Fully Open Position: This device relieves pressure into the atmosphere.

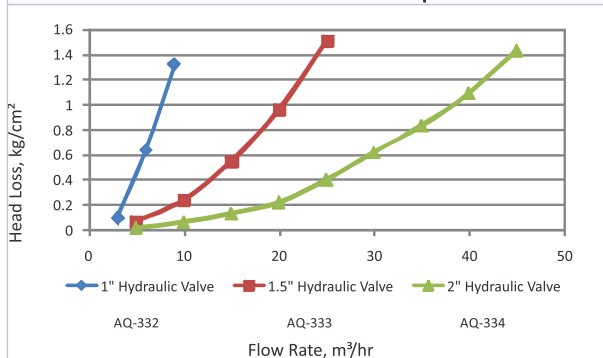
Technical Specifications

- Inlet/ Outlet connection: 1", 1½" & 2" BSP/ NPT Female Threaded.
- 3 Way Valve Port: Female threaded
1" HV: 1/8"-28 BSP or 1/8"-27NPT
1½" & 2" HV: 1/4"-19 BSP or 1/4" - 18NPT
- Pressure Ports: Female threaded-
1" HV: 1/8"-28 BSP or 1/8"-27NPT - 1½" & 2" HV: 1/4"-19 BSP or 1/4" - 18NPT
- Operating Pressure Range : 0.6 - 10 kg/cm² (8 -145Psi).
- Pressure Rating: PN 10.
- Temperature Range: (with water) Upto 60°C.

Material Specification

PART NO	PART NAME	MATERIAL	QTY.
1	Body	Bronze	1
2	Cover Plate	Bronze	1
3	Valve Lid	EPDM	1
4	Spring	SS	1
5	Bolt	SS	4

Performance Graph



Hydraulic Performance

Valve Size	mm	25	40	50
	inch	1"	1½"	2"
Recommended Flow Range V-1.5-5 m/s or 5-17 f/s	m ³ /hr	2-5	5-12	10-25
	gpm	8-22	22-53	44-110
Max. Flow	m ³ /hr	5	12	25
Continuance (Qn)	gpm	22	53	110
Max. Flow Intermittant (Qmax)	m ³ /hr	9	22	45
	gpm	40	97	198
Kv (m ³ /hr @ 1 bar)		8	20	38
Cv (gpm @ 1 Psi)		9	23	43