

Hydromat C.I. Control Valves

1½", 2", 3" & 4"

Automat is introducing the new Hydromat C.I. Control Valves with the patented curve bridge. The New Cast Iron Valve is expertly designed to optimize water flow and pressures for a variety of applications.



HIGHLIGHTS

- **Performances:**
The curved bridge delivers
 - A. Energy savings with the best KV.
 - B. No vibration in extreme pressures & flow regulation.
 - C. Fully open valve in low pressure conditions.
- **Corrosion Resistance:** High quality coating ensures long life.
- **Wide Working Pressure Range:**
Working pressure from 0.5 to 16 Bar.
- **Accessories:** Variety of solenoids and pilots to address any application.

APPLICATIONS

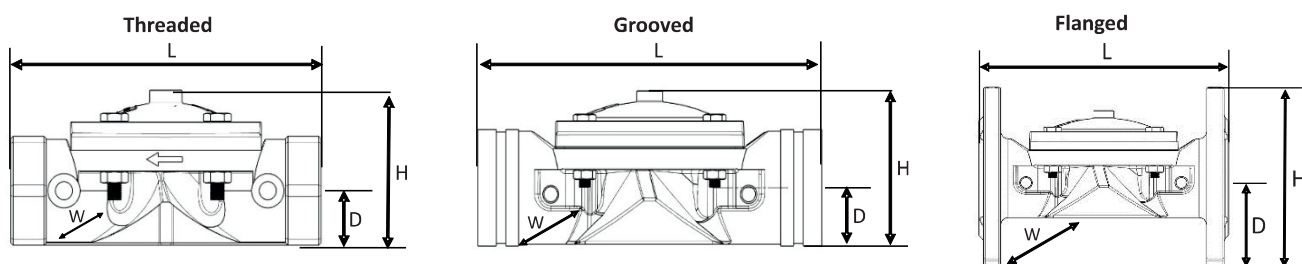
- Ideal for agricultural and landscape irrigation, enhancing efficiency in water management.
- Perfect for greenhouse and turf irrigation, providing consistent and reliable control.
- Suitable for waterworks treatment plants and distribution systems, ensuring effective fluid management.
- Employed in various industrial applications, including mining, wastewater, and marine, showcasing versatility in demanding conditions.



Technical Data

Valve Size	mm	40 mm	50 mm	80 mm	100 mm
	Inch	1½"H	2"	3"	4"
Max. recommended flow rate for continuous operation	m³/hr (GPM)	40 (176)	60 (264)	140 (616)	180 (792)
Pressure Range	BAR (PSI)	0.5-16 (8-232)			0.7-16 (10-232)
Min. Recommended Flow Rate (m³/hr)	m³/hr (GPM)	>1 (>5)			
Flow Rate Factor	Kv (metric)	66	90	160	270
	Cv (US)	77	105	186	314
Material of Construction	Cast Iron (GG 20/25)				

Engineering Data



Valve Size			Threaded		Grooved	Flanged		
			1½" H / 40 mm Threaded	2" / 50 mm Threaded	3" / 80 mm	2" / 50mm	3" / 80mm	4" / 100mm
			1½" H x 2 x 1½"	2 x 2 x 2	3 x 3 x 3	2 x 2 x 2	3 x 3 x 3	4 x 4 x 4
Dimension								
Height	H	CM	9.9	9.9	11.8	15.8	19.9	22
		INCH	3 7/8	3 7/8	4 5/8	6 1/4	7 7/8	8 5/8
Width	W	CM	14.5	14.5	18	16.5	19.9	25.8
		INCH	5 3/4	5 3/4	7 1/8	6 ½	7 7/8	10 1/8
Length	L	CM	21	21	29.2	24	27	35
		INCH	8 1/4	8 1/4	11 1/2	9 1/2	10 5/8	13 3/4

Performance Graphs

