New

C.I. Control Valves

1½", 2", 3" & 4"

Automat has introduced new Cast Iron Control Valves that offer superior performance. These valves are expertly designed to optimize water flow and pressures for a variety of applications.



HIGHLIGHTS

- **Performance:** The innovative internal design delivers
  1. Energy savings with the best KV.
  2. No vibrations at extreme high pressures or when flow is being regulated.
  3. Valve stays fully open in low pressure conditions.
- **Corrosion Resistance:** High quality coating ensures long life.
- **Wide Working Pressure Range:** 0.5 to 16 Bar working pressure range.
- **Accessories:** Variety of solenoids and pilots to address any application.
- **Type of Valves:**
  1. Manual On-Off
  2. 3 Way, 12-24 VDC Latch, Motor Type Solenoid (With Mounting Screws)
  3. 3 Way, 24 VAC/VDC, Motor Type Solenoid (With Mounting Screws)
  4. 3 Way Electric with 24 VAC Magnetic Solenoid
  5. 3 Way Electric with 9-30 VDC Latching Solenoid
  6. Pressure Reducing
  7. Pressure Sustaining / Relief

APPLICATIONS

- Optimizes water management for agricultural and landscape irrigation.
- Provides consistent, reliable control for greenhouse and turf irrigation.
- Ensures efficient fluid management in water treatment and distribution systems.
- Versatile solution for demanding industrial environments, including mining, wastewater, and marine applications versatility and harsh conditions.

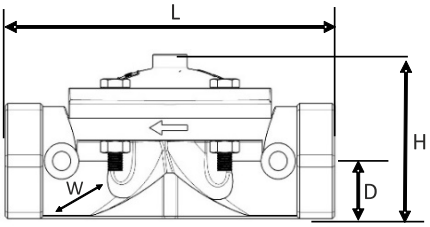


Technical Data

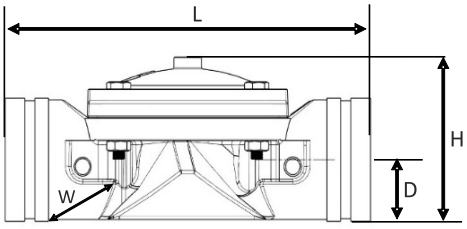
Valve Size	mm	40 mm	50 mm	80 mm	100 mm
	Inch	1½"H	2"	3"	4"
Max. recommended flow rate for continuous operation	m^3/hr (GPM)	40 (176)	60 (264)	140 (616)	180 (792)
Pressure Range	BAR (PSI)	0.5-16 (8-232)			0.7-16 (10-232)
Min. Recommended Flow Rate (m^3/hr)	m^3/hr (GPM)	>1 (>5)			
Flow Rate Factor	Kv (metric)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

Engineering Data

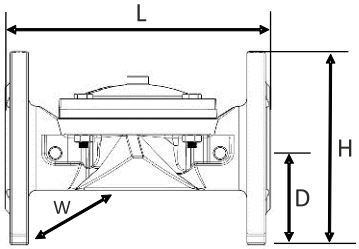
Threaded



Grooved



Flanged

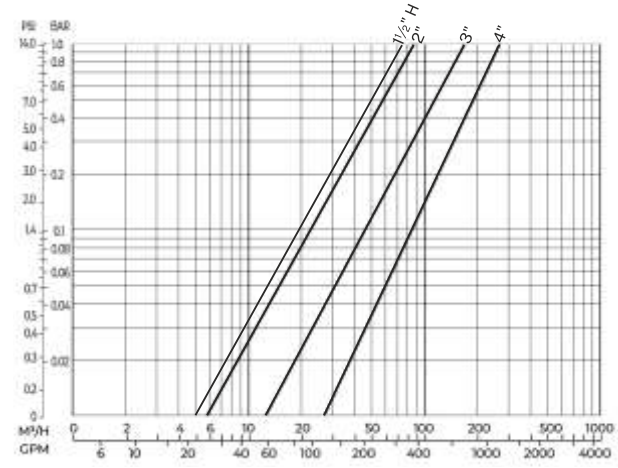


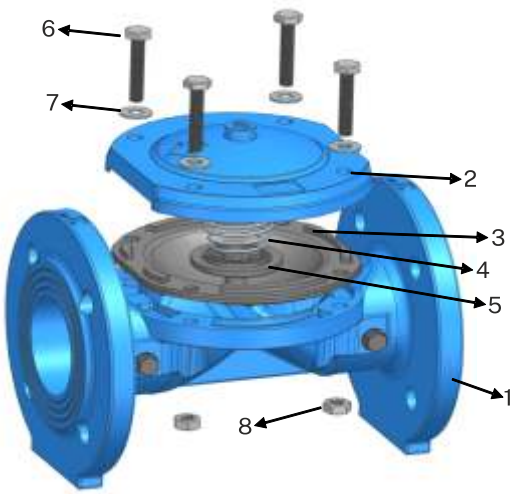
Valve Size			Threaded		Grooved	Flanged		
			1½" H / 40 mm Threaded	2" / 50 mm Threaded	3" / 80 mm	2" / 50mm	3" / 80mm	4" / 100mm
			1½" H x 2 x 1½"	2 x 2 x 2	3 x 3 x 3	2 x 2 x 2	3 x 3 x 3	4 x 4 x 4
Dimension								
Height	H	CM	9.9	9.9	11.8	15.8	19.9	22
		INCH	3 7/8	3 7/8	4 5/8	6 1/4	7 7/8	8 5/8
Width	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

Material Specification

Part No	Description	Material
1	Body	Cast Iron
2	Cover	Cast Iron
3	Diaphragm	NR (fabric reinforced)
4	Spring	SS-302
5	Spring Retainer	Nylon
6	Bolt	SS-304
7	Washer	SS-304
8	Nut	SS-304

Performance Graphs





Creating a Green World®