

HS/HL

MECHANICAL PISTON VALVES

The next step forward in mechanical control design.



Mechanical control valve for residential and light commercial use.

Our HS and HL series mechanical piston valves take the timeless design of industry standard piston valves and updates them to exceed modern performance demands. Their durable, high-performance construction has down-flow regeneration, driven by industry compatible pistons, injectors and seals/spacers. The HL model has an L bracket design for hassle free operation and maintenance. These valves are highly efficient, lower annual power usage, and can be configured with optional 24V motors and extended meters. HS and HL valves also feature a quick-connect drain with optional offset, increasing flexibility for installs.



HS Metered

HS Time Clock

HL Metered

HL Time Clock

HS/HL Valves Feature:

- Improved manufacturing and durability
- Lower power usage
- Quick installation and convenient maintenance
- Standard Metered, Extended Metered, Standard Time Clock, and Filter Time Clock options
- Quick-connect drain with optional offset
- Optional tamper-resistant dust cover available
- Ideal for residential applications
- 5 year warranty on valve



This valve is Tested and Certified by NSF International against NSF/ANSI Standard 44 for materials and structural integrity requirements.



HS Dust Cover

HS Rear

HL Dust Cover

HL Rear

HS/HL

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Dimensions

Width		Height		Depth	
HS: 7.38"	HL: 8.38"	HS: 8.5"	HL: 8.63	HL: 6.25"	HL: 7.88"

Electrical Specifications

Transformer Input	Transformer Output	Wattage
100-240VAC / 50-60Hz	12VDV / 1.5A	2.4W

Operational Specifications

Operational Pressure	Operational Water Temperature	Inlet Water Turbidity
20 psi - 120 psi	34°F - 110°F (1.1°C - 43.3°C)	<5FTU

Control Valve Parameters

Inlet	Outlet	Drain	Brine	Base	Riser Tube
3/4"	3/4"	1/2" NPTF or 1/2" Barbed	3/8"	2.5" - 8NPSM	1.05" OD

Flow Rate (Valve Only)

Service @ 15 psi Drop	Peak Service @ 25 psi Drop	Peak Backwash @ 25 psi Drop	CV Service @ 1 psi Drop
20 gpm	26 gpm	7 gpm	5 gpm

Additional Specifications

Valve Material	Height from Top of Tank	Meter Accuracy	Weight
PPO Plastic	7.25" (184mm)	±5%	Time Clock: 3.8 lbs. (1.7kg) Metered: 4.4 lbs. (2 kg)