

HTV VALVES

PLASTIC HYDRAULIC VALVE

THE CAREFUL VALVE DESIGN, THE NATURE OF THE COMPONENTS USED IN THEIR MANUFACTURE PROCESS, ADDED TO THE STRICT QUALITY CONTROL TECHNIQUES, ALLOWS US TO OFFER A WIDE RANGE OF RELIABLE AND HIGH QUALITY PRODUCTS

Connection type and diameter

- 1 ½" to 4" thread

MAIN FEATURES

- High resistance to the operation and exposure conditions.
- Chemical and mechanical resistant diaphragm with low opening pressure.
- Wide range of regulation.
- Accurate and stable regulation.
- Low head loss.
- Easy maintenance.
- Bidirectional valve.

ASSEMBLY KITS

Model	Solenoid characteristics
Manual control kit	-
Pressure reducing kit	-
Sustaining kit	-
Electrovalve kit	9 - 12 V DC LATCH
	24 V AC NO
	24 V AC NC
Reducing electrovalve kit	9 - 12 V DC LATCH
	24 V AC NO
	24 V AC NC
Sustaining electrovalve kit	9 - 12 V DC LATCH
	24 V AC NO
	24 V AC NC

All the kits include the plastic fittings.
 All the reducing and sustaining kits include pressure gauge and plastic pilot with operational range of 1-10 bar.
 The assembly kit does not include the plastic hydraulic valve.



Manual control kit



Electrovalve kit



Reducing kit



Reducing electrovalve kit

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HTV PLASTIC HYDRAULIC VALVES TECHNICAL SPECIFICATIONS

Connection*	DN (mm)	DN (inch)	L (mm)	H (mm)	Kv (m³/h)	Operating flow range (m³/h)	Max. working pressure (bar)	Full opening pressure (bar)	Connection standard**	Logistic (un/box)	Weight (kg)
Thread	40	1 ½"	198	110	49	5 – 20	10	0.52	BSP	6	0.93
	50	2"	198	110	50	10 – 25	10	0.52	BSP	6	0.98
	65	2 ½"	237	117	53	15 – 35	10	0.52	BSP	4	1.07
	80	3"	284	127	97	30 – 65	10	0.63	BSP	2	1.85
	100	4"	335	160	210	60 – 110	10	0.63	BSP	1	3.10

PN10 connection.

*Ask for availability of 2" and 3" thread-grooved accessories and 3" and 4" thread-universal flange accessories.

**Ask for availability of 2" and 3" NPT standard connection.

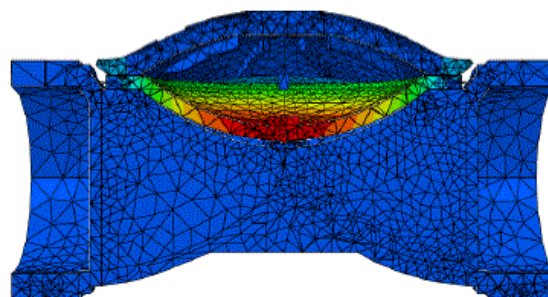
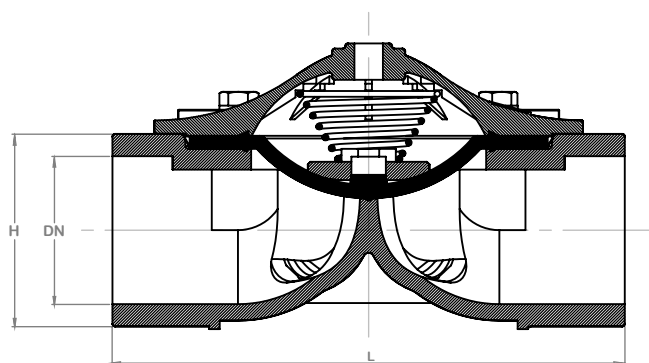
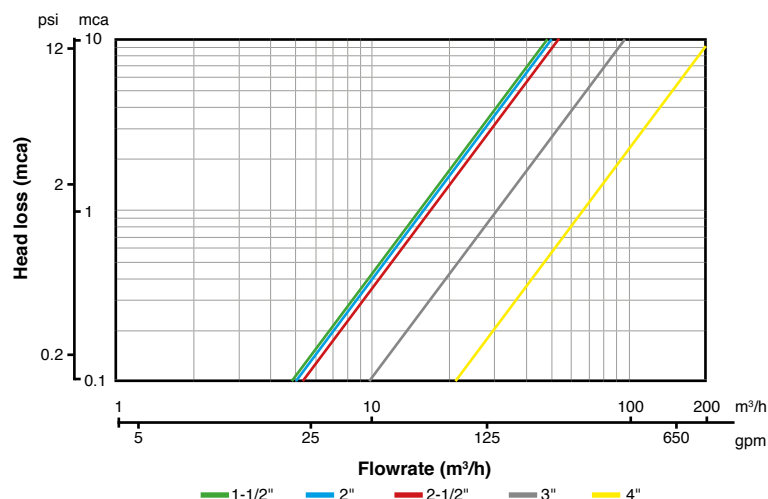
PLASTIC HYDRAULIC VALVE COMPONENTS CHARACTERISTICS

Pilot	Operating pressure range	(PN10) 1 – 10 bar
Solenoid	Voltage	9 – 12 V DC LATCH
		24 V AC NO
		24 V AC NC
3-way manual valve		M 1/4" – 3 x F 1/8"

MATERIALS OF CONSTRUCTION

Body / Lid	Fiberglass reinforced polyamide
Diaphragm (membrane)	Natural rubber
Spring	Stainless steel 304
Support	Fiberglass reinforced polyamide
Pilot	Fiberglass reinforced technical plastic
3-way manual valve	Brass

HEAD LOSS



Diaphragm movement simulation