

HR VALVES

SPECIAL SUSTAINING VALVE KIT FOR FILTRATION EQUIPMENT

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

Connection type and diameter

- 2" thread
- 3" to 10" flange

MAIN FEATURES

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



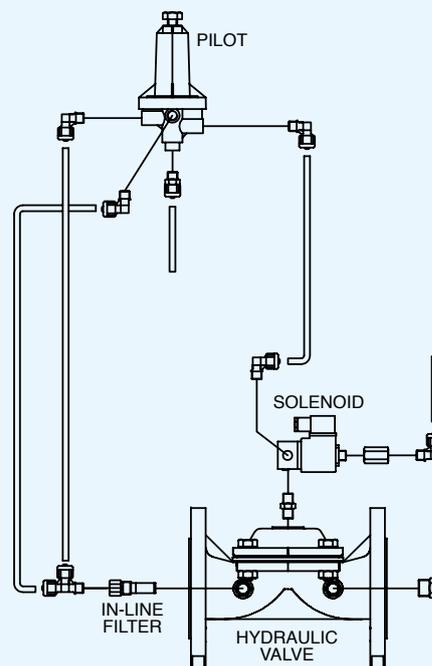
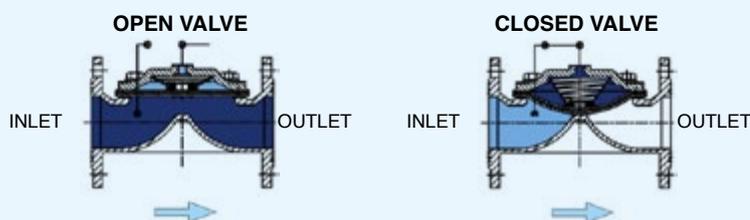
APPLICATIONS

- Auxiliary element, installed downstream the filtration equipment, responsible for ensuring a pressure value during the self-cleaning phase, equal or higher than the required value to guarantee an effective cleaning.

HOW DO THEY WORK

Two-way metallic hydraulic valve, which incorporates a three-way pilot, made of technical plastic material, and a NC three-way solenoid valve.

The valve remains open as long as the solenoid is not energized. When electrically activating the solenoid, it regulates continuously the position of the diaphragm through the water inlet/outlet of the chamber to ensure that the pressure value upstream of the valve does not reach lower values than those regulated in the pilot.



Assembly diagram for 2", 3" and 4" models. Please ask us for 6", 8" and 10" models.

HR VALVES

SPECIAL SUSTAINING VALVE KIT FOR FILTRATION EQUIPMENT

HYDRAULIC VALVE TECHNICAL SPECIFICATIONS

Connections	DN (mm)	DN (inch)	L (mm)	H (mm)	Operating flow range (m ³ /h)	Max. working pressure (bar)	Min. working pressure (kg/cm ²)	Connection standard*	N° of holes	Weight (kg)
Thread	50	2"	186	75	2 – 42	6	0.5 – 0.8	BSP	-	3.1
						16	1.2 – 1.5			
Flange	80D	3" (3-4-3)	280	203	5 – 130	6	0.5 – 0.8	PN10	8	13.8
						16	1.2 – 1.5			
	100	4"	305	223	10 – 150	6	0.5 – 0.8	PN10	8	15.5
						16	1.2 – 1.5			
	150	6"	390	282	15 – 330	6	0.8 – 1	PN10	8	41
						16	1.5 – 1.8			
200	8"	475	343	20 – 590	6	0.8 – 1	PN10	8	68	
					16	1.5 – 1.8				
250C	10" (10-8-10)	505	405	20 – 680	6	0.8 – 1	PN10	8	88	
					16	1.5 – 1.8				

SPECIAL SUSTAINING VALVE KIT FOR FILTRATION EQUIPMENT COMPONENTS CHARACTERISTICS

Pilot*	Regulation pressure range	(PN6) 0.9 – 5.2 bar (PN10) 1.5 – 7.5 bar
	Configuration	Normally close (NC)
Solenoid	Voltage	12 V DC LATCH 24 V AC

**The valve incorporates a PN6 pilot for maximum working pressure 6 bar models and a PN10 pilot for maximum working pressure 16 bar models.

MATERIALS OF CONSTRUCTION

Body and lid	Thread models	Cast iron (GG25)	Epoxy-polyester coating
	Flange models	Ductile iron (GGG50)	
Diaphragm (membrane)	Rubber reinforced with nylon		
Spring	Stainless steel 302		
Support	Nylon		
Pilot	Fiberglass reinforced technical plastic		

HEAD LOSS

