



Applications:

Hydraulic valves have many different applications in agriculture irrigation as well as potable water distribution and industrial processes. Hydraulic valves perform different functions depending on the equipment:

- Manual valve
- Electrical valve
- Pressure regulating, pressure supporting, pressure reducing
- Security valve
- etc

Advantages:

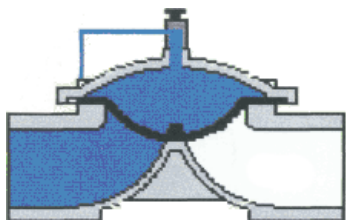
- Low pressure losses
- Easy maintenance
- Simplicity of construction
- Slow opening and closing to avoid hydraulic ham
- Little turbulence thanks to the hydrodynamic profile
- Great solidity
- The coating with powder polyester diminishes the corrosion
- Stainless steel spring
- Possibility of operating with dirty water

Technical Features:

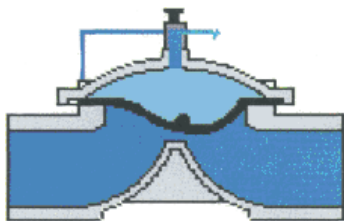
Material: Cast iron GG25
 Coating: Powder polyester.
 Maximum working Pressure: 16 kg. /cm²
 Diaphragm: Neoprene or EPDM
 Threated valves: BSP, (NPT under order) -
 Diameter: 1.1 / 2", 2", 2.5", 3" and 4"
 Flanged valves: DIN 2576, others under order-
 Diameter: DN 80, DN100, DN125, DN150, DN200,
 DN 250 and DN 300

Minimum pressure of work in Kg/cm²

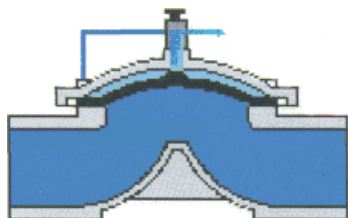
Valve	Diap. Low pressure	Diap. high pressure
1"1/2	0,3	0,5
2"	0,3	0,5
2"1/2	0,3	0,5
3" threaded	0,4	0,6
3" DN80	0,4	0,6
4" threaded	0,5	0,8
4" DN100	0,5	0,8
5" DN125	0,5	0,8
6" DN150	0,6	1,0
8" DN200	0,6	1,0



Colased Valve



Intermediate position



Opened valve



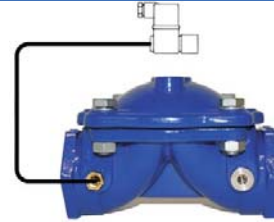
Diagram of operation



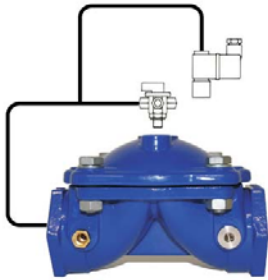
Basic valve



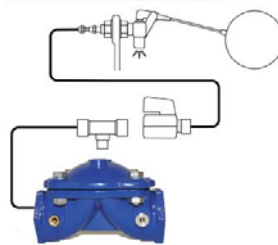
Basic valve with hand control 3 ways



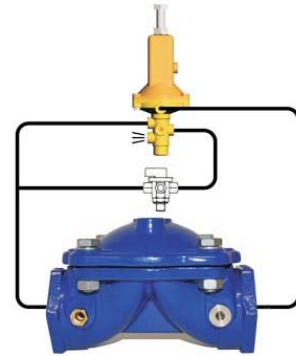
Electric Valve



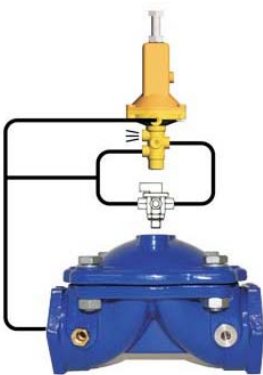
50HD2
Electrical and manual valve



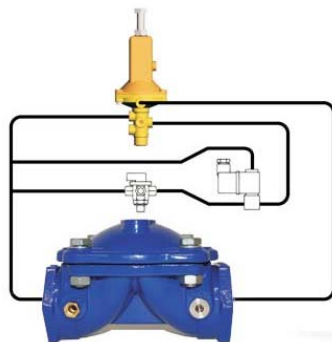
50.04(N/DI)
Float valve



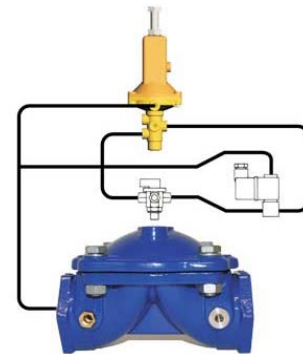
50.02
Pressure reducing valve



50.03(A/S)
Pressure safety relief sustaining/hammer valve



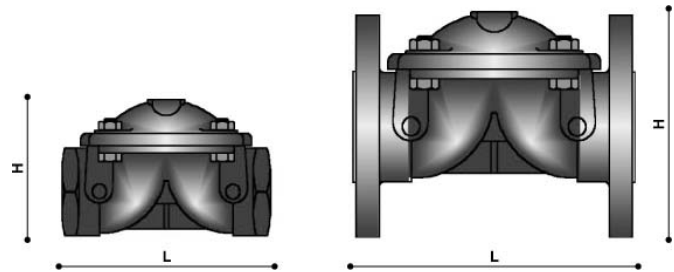
Electrical and pressure reducing valve



Electrical and pressure sustaining valve

Dimensions

Dimensions					
Diameter	L (mm)	H (mm)	N°	D**	Kg
1" 1/2 DN 40 threaded	165	110			3,5
2" DN 50 threaded	165	110	-	-	3,2
2" 1/2 DN 65 threaded	230	120	-	-	4,3
3" DN 80 threaded	240	150	-	-	7,3
4" DN 100 threaded	295	192	-	-	11,5
DN 80 flanged	275	205	8	18	14,8
DN 100 flanged	315	240	8	18	21,8
DN 125 flanged	300	250	8	18	28,0
DN 150 flanged	390	320	8	22	50,0
DN 200 flanged	568	340	12	22	63,0
DN 250 flanged	460	450	12	24	105,0
DN 300 flanged	580	480	12	24	160,0



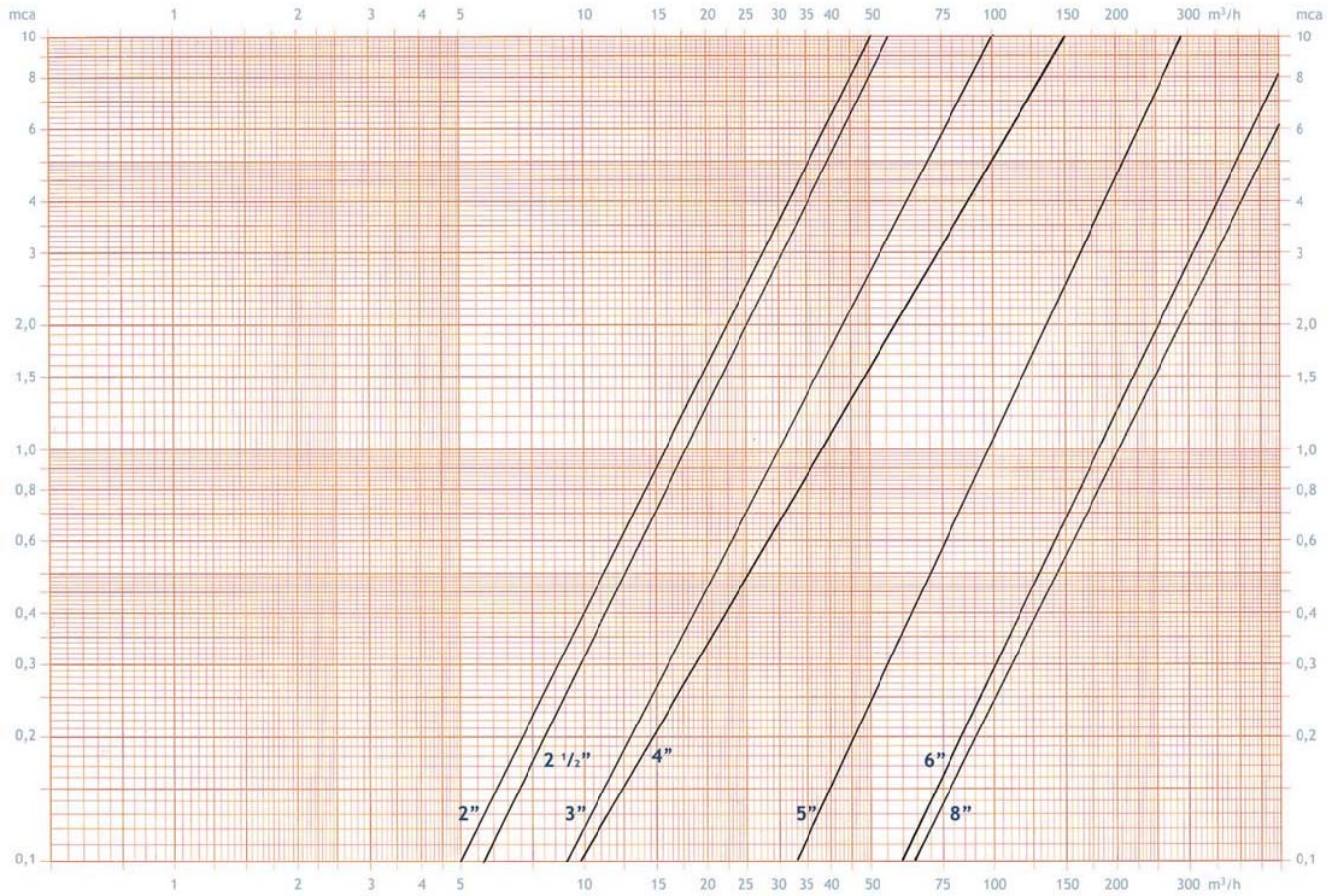
*N° : Number of holes on the flange
**D : holes diameter

Head loss, fully opened valve

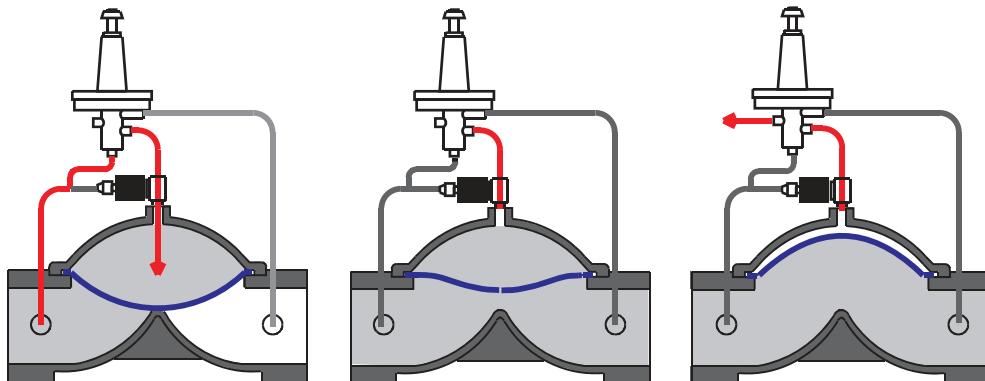
Flow (m3/h)	Head Loss (mca)									
	2"& 1"1/2	2" 1/2	3"	4"	5"	6"	8"	10"	12"	
				DN100	DN125	DN150	DN150	DN250	DN300	
5	0,08	0,05	0,03	0,04						
10	0,35	0,30	0,12	0,11						
15	0,82	0,60	0,25	0,22						
20	1,50	1,20	0,44	0,35						
25	2,40	1,85	0,68	0,50						
30	3,51	2,80	0,97	0,68						
35	4,85	3,95	1,31	0,88						
40	6,42	4,90	1,70	1,09						
45	8,22	6,10	2,13	1,33						
50	10,25	7,75	2,62	1,58						
55		9,00	3,15	1,85						
60		10,15	3,73	2,13						
65			4,35	2,43						
70			5,03	2,75						
75			5,74	3,08						
80			6,51	3,42						
85			7,32	3,79						
90			8,18	4,16						
95			9,08	4,55						
100			10,03	4,95	1,00					
125				7,15	1,25					
150				9,66	2,10					
200					4,55	1,25	1,00			
250					7,10	1,80	1,55			
300						2,70	2,00			
350						3,45	2,85			
400						5,10	3,75	1,00		
450						6,40	4,60	1,30		
500						8,00	6,00	1,65	0,95	
600							8,90	2,10	1,32	
800								3,82	2,40	
1000								6,10	3,60	
1200									5,10	

Bold: advised flow rates

Head Loss



Working Position



Technical Features:

Valves for the automation of wash process of all kinds of filters.
Made in polyamide or Cast Iron GG25 with a coating in powder polyester.

The diaphragm, natural rubber or neoprene, shared in common with a stainless steel axis that guides all movements of the same one. The axis of stainless steel is guided as much for the superior part as for the inferior one.

The screws, nuts and washers are of stainless steel AISI 304.



Valve 2x2x2

Dimensions				
Valve	Material	L (mm)	H (mm)	W. Kg.
2x2x2	Cast iron GG25	185	180	5,50
3x2x3 V	Cast iron GG25	255	223	10,50
3x2x3 B	Cast iron GG25	225	238	18,10
2X2X2	Polyamide	241	250	2,80
3x2x3	Polyamide	241	250	2,80



Valve 3x2x3 V

Connections

2x2x2 Met	Met Inlet and Outlet vitaulic 2" Drainage: threaded 2" BSP (NPT under order)
3x2x3 Met	Met Inlet and Outlet vitaulic 3" Drainage: threaded 2" BSP (NPT under order)
3x2x3 Met	Met Inlet and Outlet flanged DN 80 Drainage: threaded 2" BSP (NPT under order)
2X2X2 Polyamide	Met Inlet and Outlet vitaulic 2" Drainage: threaded 2" BSP (NPT under order)
2X2X2 Polyamide	Met Inlet and Outlet vitaulic 3" Drainage: threaded 2" BSP (NPT under order)



Valve 3x2x3 B

* Under order is possible to have connection vitaulic 2 1/2" on the drainage.