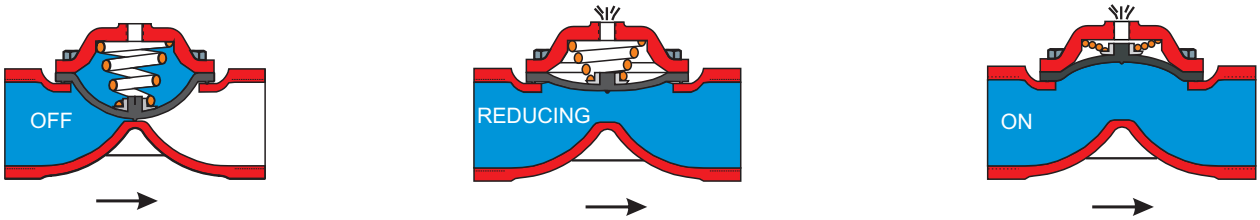
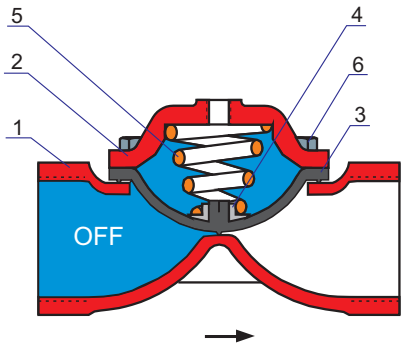


Hydraulic control valves are direct - sealing diaphragm valves activated by pipeline pressure. When in the control chamber pressure is equal to the pipeline pressure the rubber diaphragm closes the valve. The spring in the upper side of diaphragm helps valve to close regardless of pressure and flow conditions.
Expancing the pressure from control chamber ,valve opens.
The valve's only moving part is its diaphragm.

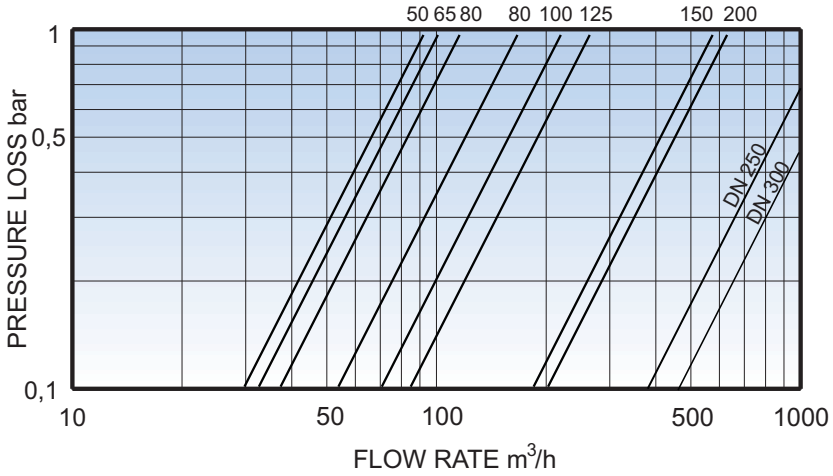
TYPES AND DIMENSIONS OF BASIC VALVE

MATERIAL	CAST IRON GG 25 - DUCTILE IRON GGG 40					
mm	Inch	CODE	THREADED	THREADED ANGLE	FLANGED	FLANGED ANGLE
50	2	V 50-50	115 / 180 / 4 Kg	155 / 120 / 5 Kg	165 / 190 / 8,5 Kg	200 / 120 / 9,2 Kg
65	2 ½	V 65-50	120 / 180 / 4,3Kg	155 / 120 / 5,3 Kg	185 / 190 / 10,5 Kg	210 / 120 / 11,5 Kg
80	3	V 80-50			200 / 190 / 11 Kg	230 / 130 / 12,5 Kg
80	3	V 80-80			200 / 285 / 20 Kg	
100	4	V 10-50			220 / 190 / 13 Kg	
100	4	V 10-10			220 / 300 / 24,5 Kg	
125	5	V 12-10			250 / 300 / 28 Kg	
150	6	V 15-15			320 / 390 / 50 Kg	
200	8	V 20-15			320 / 390 / 63 Kg	
250	10	V 25-20			460 / 460 / 110 Kg	
300	12	V 30-30			495 / 580 / 160 Kg	

MATERIAL LIST		
1	Body	Cast iron GG 25 - GGG 40
2	Cover	Cast iron GG 25 - GGG 40
3	Diaphragm	NBR
4	Spring seat	POLYAMID
5	Spring	AISI 302
6	Nuts and bolts	Coated steel



FLOW CHART



PS - V valve maintains the upstream pressure constant in a defined point, regardless of pressure and flow - rate fluctuations.

PS - V valves are direct-sealing diaphragm valves, activated automatically by a 2- way pressure sustaining pilot.

The pressure reducing pilot defines the desirable upstream pressure according to the regulation that have been made by a regulated bolt.

Pilot regulates valve to open when upstream pressure reaches the required level and remains it constant.

When pressure exceeds the preset level the sustaining pilot allows the valve to open fully .

DESCRIPTION	NORMES
Flanges	EN 1563 / EN 1092-2
Thread	BSP / NPT
Pressure	PN 10-16-25
Coating	Powder epoxy 250 μm DIN 30677
Testing	EN 1074-1-5