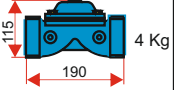
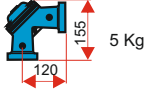
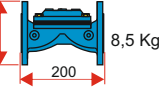
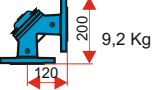
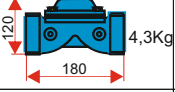
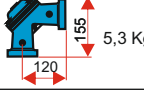
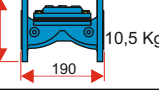
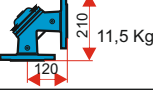
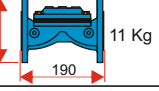
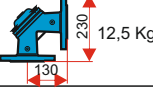
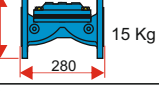
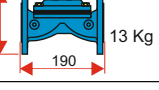
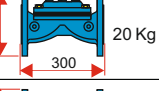
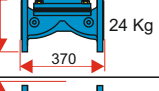
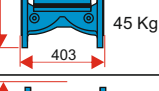
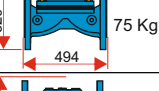
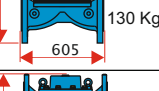
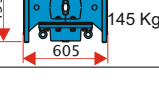


Hydraulic control valves are direct - sealing diaphragm valves activated by pipeline pressure. When in the control chamber pressure is equal to the pipeline pressure the rubber diaphragm closes the valve. The spring in the upper side of diaphragm helps valve to close regardless of pressure and flow conditions.

Expanding the pressure from control chamber ,valve opens.

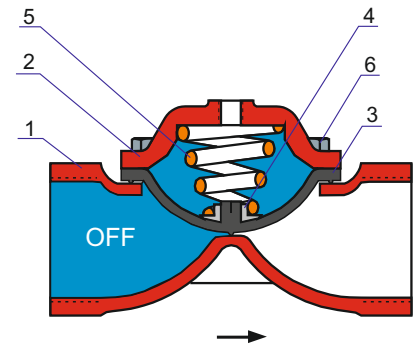
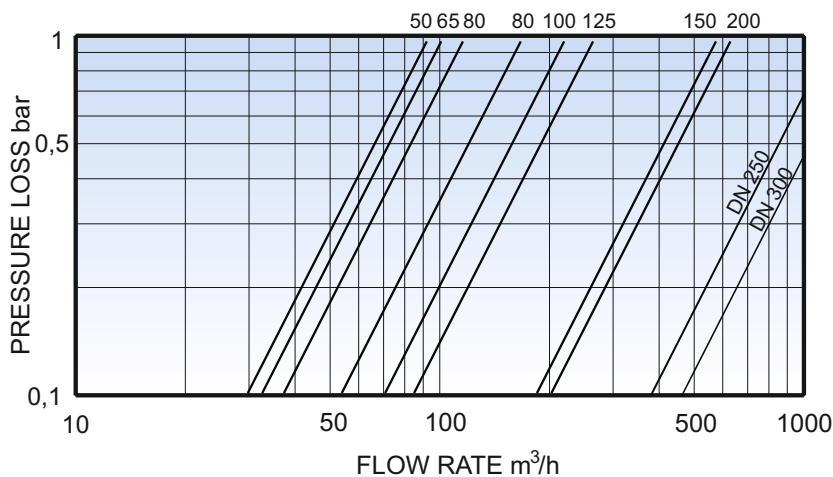
The valve's only moving part is its diaphragm.

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	 4 Kg	 5 Kg	 8,5 Kg	 9,2 Kg
65	2 ½	V 65-50	 4,3Kg	 5,3 Kg	 10,5 Kg	 11,5 Kg
80	3	V 80-50			 11 Kg	 12,5 Kg
80	3	V 80-80			 15 Kg	
100	4	V 10-50			 13 Kg	
100	4	V 10-10			 20 Kg	
125	5	V 12-10			 24 Kg	
150	6	V 15-15			 45 Kg	
200	8	V 20-15			 75 Kg	
250	10	V 25-20			 130 Kg	
300	12	V 30-30			 145 Kg	

MATERIAL LIST

1	Body	D.I GGG 40
2	Cover	D.I GGG 40
3	Diaphragm	NBR
4	Spring seat	POLYAMID
5	Spring	AISI 302
6	Nuts and bolts	Coated steel


FLOW CHART


M - V valve is controlled manually by a 3 - way selector which allows the user to close, to open or to remote controlled the valve.

M - V valves are direct - sealing diaphragm valves which are activated either by line pressure or by an external pressure source.

When the selector is in position:

Closed: The upstream pressure assisted by the spring, forces the diaphragm down and closes the valve.

Opened: Upstream pressure forces the diaphragm up and the valve opens fully. In this case we have expansion in the control chamber.

Automatic : The selector is connected to an external control source (pilot etc.) which controls the valve.

DESCRIPTION	NORMES
Flanges	EN 1563 / EN 1092-2
Thread	BSP / NPT
Pressure	PN 10/16
Coating	Powder epoxy 250 µm DIN 30677
Testing	EN 12266-1