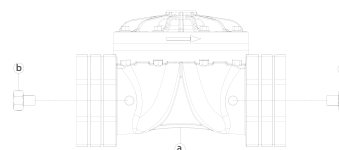




Technical Drawing



a) Main Body
b) Blind Plug

Product Description

Basic valves, mounted on the body of the valve, can be used as control valves with various components depending on the need and application, or they can serve as replacement parts for valves whose bodies have been damaged for any reason.

Production Standards

DN50	⇒	DN100
Pressure Range	1 bar	⇒ 10 bar
Connection	ISO (BSP)	
Temperature	-10 °C +80 °C	

Application Areas

- Agricultural irrigation
- Industrial applications
- Irrigation and Drinking Water Systems

Working Principle

Closed position: The valve is closed by applying pressure to the diaphragm through fluid pressure.

Open position: Internal line pressure moves the diaphragm upwards, allowing flow.

Modulation position: The diaphragm remains in a fixed position by balancing the internal and external line pressures.



Diameter	2" / DN50	2 1/2" / DN65	3" / DN80	4" / DN100
Code	GP10BV 50	GP10BV 65	GP10BV 80	GP10BV 100

Recommended Work Values



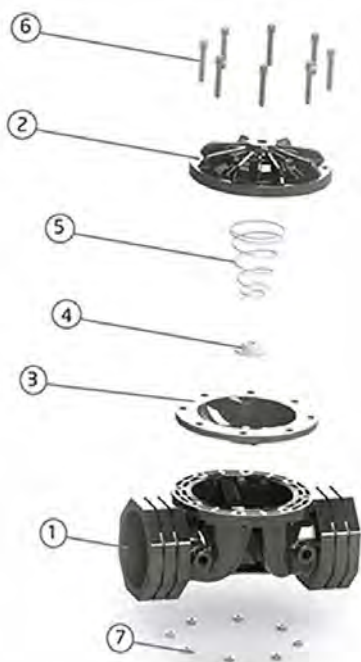
Working Pressure	Standard	1-10 bar (10-145 psi)
Temperature	Min. Operating Temperature	-10°C
	Max. Operating Temperature	+80°C
Connection	Threaded	ISO (BSP) – ANSI (NPT)
Hydraulic Connections	Standard	Reinforced Nylon (Air Break) Hydraulic Hose
Hydraulic Connections	Standard	Reinforced Nylon (Air Break) Hydraulic Hose

Globe Type Control Valves Size and Weight Table

DN		L		H		WEIGHT	
inch	mm	inch	mm	inch	mm	inch	mm
2"	50						
2 ½"	65						
3"	80						
4"	100						

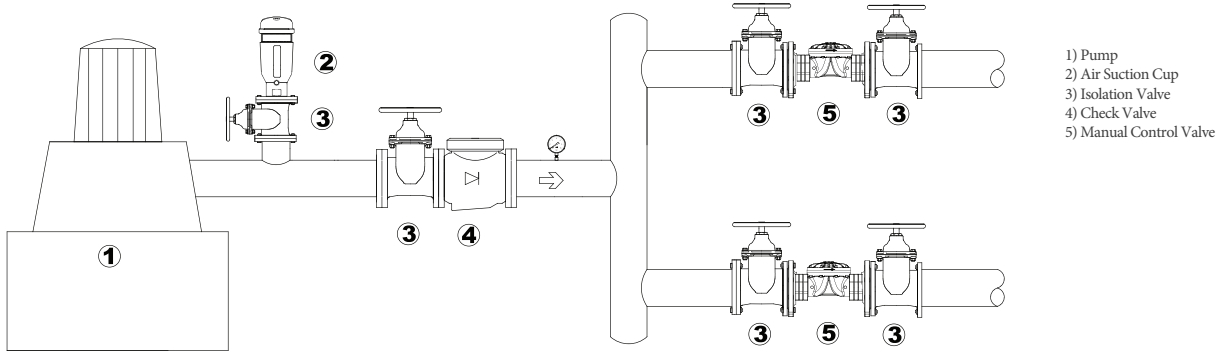
NOTE: Weight and valve height (h) do not include accessories.

Main Parts



1	Body	Reinforced Polyamide
2	Lid	Reinforced Polyamide
3	Diaphragm	Court Fabric Reinforced Natural Rubber
4	Spring Release Ring	Reinforced Polyamide
5	Spring	Stainless
6	Bolt	Stainless
8	Nut	Ms-58

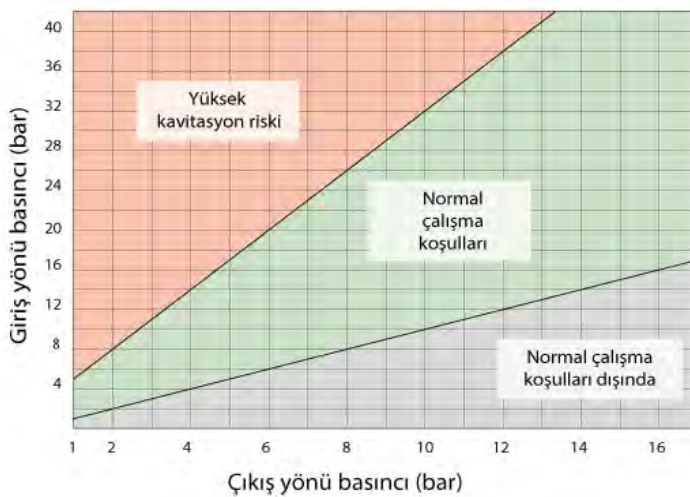
Example Application



Flow Performance

Diameter	mm	50	65	80	100
	Inch	2"	2½"	3"	4"
kv	m³/h- 1 Bar				

Cavitation Graph



Flow
(m³/h)

Pressure Loss Graph

