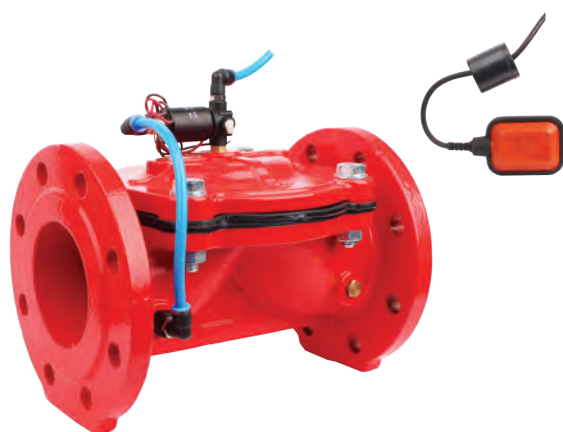
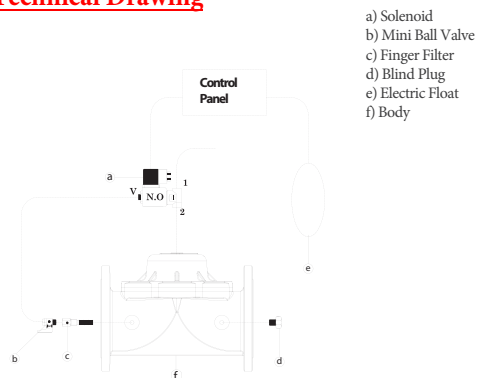




Technical Drawing



Product Description

BKV 210 Series Horizontal Float Level Control Valves provide automatic water level control for tanks or reservoirs. The main valve is controlled by an electric float. When the water level drops, the float sends a signal to the solenoid coil on the main valve, causing the valve to open; when it fills, it closes. When the set level is reached, the signal sent to the coil is cut off, and the valve closes, maintaining a constant tank level.

Features

- Operates using mains pressure and requires no extra energy
- Easy maintenance
- Can be controlled at different voltages
- Manual on/off
- Low energy consumption
- Maintenance can be performed without removing it from the pipeline.

Adjustment

- Mount the electric float switch, indicated by "e", securely according to the water level in the tank or reservoir and connect its wires to the control panel.
- Connect the wires of the solenoid pilot valve, indicated by "a", to the control panel appropriately.
- Turn on the water.
- The valve will open when the solenoid is energized and close when it is de-energized.

Production Standards

DN40	⇒	DN150
Pressure Range	1 bar	⇒ 10 bar
Connection	Flanged EN1092-2	
Paint	Electrostatic Powder Coating	
Temperature	-10 °C +80 °C	

Application Areas

- Agricultural irrigation
- Industrial applications
- Irrigation and drinking water systems

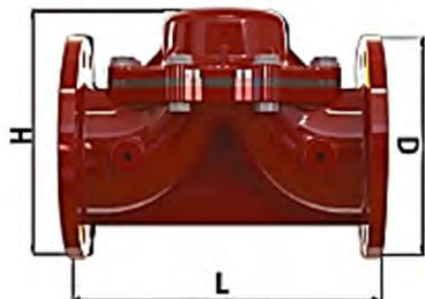
Working Principle

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	1/2"	3/4"	1"	1 1/2"	2"	3"	4"	6"
Code	67102V 40	67102V 50	67102V 65	67102V 80	67102V 100	67102V 125	67102V 150	

Recommended Work Values



Working Pressure	Standard	1-16 bar (10-240 psi)
Temperature	Min. Operating Temperature	-10°C
	Max. Operating Temperature	+80°C
Connection	Flanged	EN 1092-2 ISO 7005-2
	Threaded	ISO (BSP) – ANSI (NPT)
Paint Coating	Standard	Polyester
	Optional	Epoxy

Globe Type Control Valves Size and Weight Table

DN		L		D		H		Weight	
inch	mm	inch	mm	inch	mm	inch	mm	lbs	kg
1 1/2"	40								
2"	50	8	205	6,5	165	6,5	165	18	8,5
2 1/2"	65	8	205	7,3	185	7,3	185	22	10
3"	80	11,4	290	7,9	200	7,9	200	44	20
4"	100	11,6	295	8,7	220	8,7	220	49	22,5
5"	125	12,8	325	9,8	250	9,8	250	57	26
6"	150	16,3	415	11,2	285	12,6	320	108	49

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

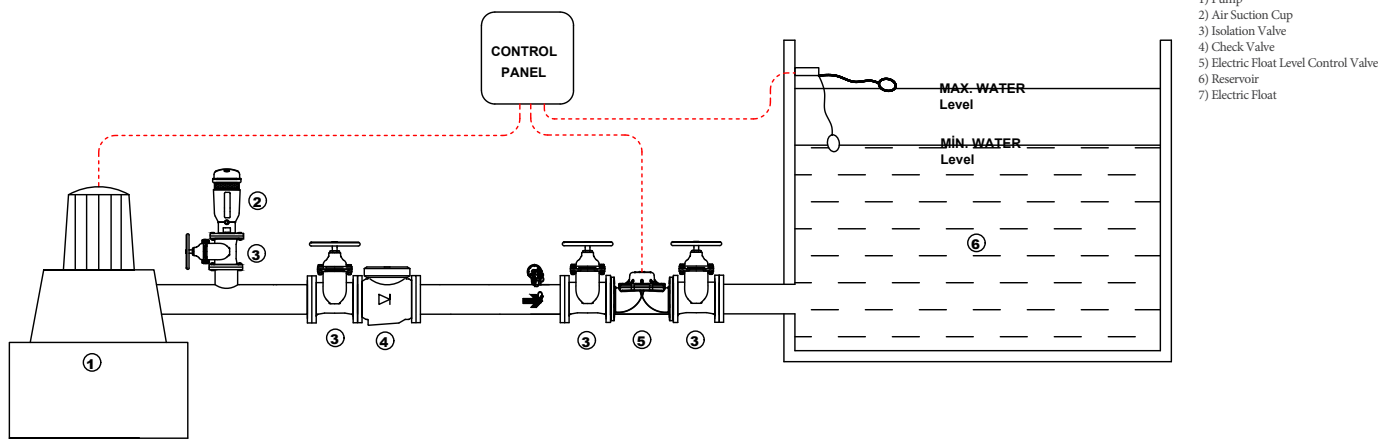
Main Parts



1	Body	GG 25 / GGG40 (EN-GJS 400-15)
2	Diaphragm	Court Fabric Reinforced Natural Rubber
3	Lid	GG 25 / GGG40 (EN-GJS 400-15)
4	Rondela	Coated Steel
5	Bolt	Coated Steel
6	Bolt	Coated Steel
7	Diaphragm Pressure Ring	Polyamid / Polyester
8	Spring	Stainless

Maximum Operating Function		Leakage Test		Body Test	
BAR	PSI	BAR	PSI	BAR	PSI
10	145	11	160	15	217

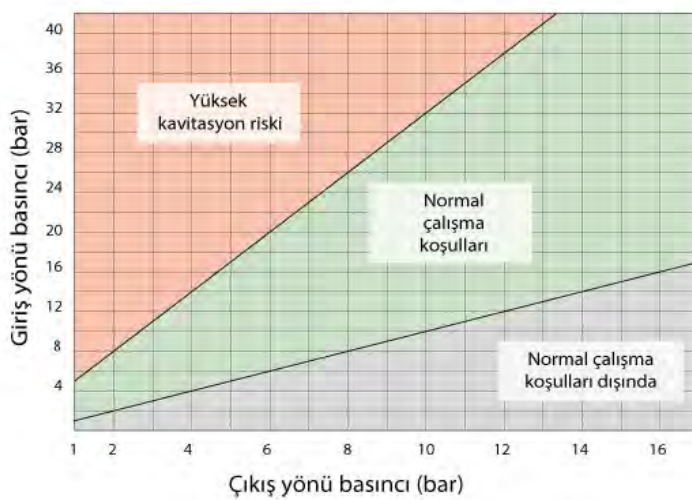
Example Application



Flow Performance

Nominal Diameter	mm	50	65	80	100	125	150	200	250	300
	İnch	2"	2½"	3"	4"	5"	6"	8"	10"	12"
kv	m ³ /h- 1 Bar	70	73	167	215	224	503	830	1300	1800
		44	46	96	168	171	388	685	1054	1565

Cavitation Graph



Pressure Loss Graph

