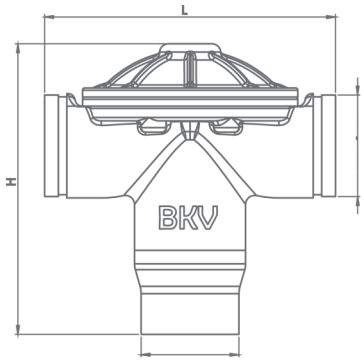
Cast Iron Backwash Control Valve



Technical Drawing



Product Description

BKV backwash control valves are 3-way control valves that operate with line pressure, especially in drip irrigation projects and filtration systems. Positioned before the filter, backwash valves work in coordination with the filter elements in the system. Operating in filtration and backwash modes, the valves direct the dirty water from the line to the filter. Filters become contaminated as a result of particles in the water. The diaphragm-flap mechanism of the valve operates in two directions. When the valve switches from filtration mode to backwash mode, it changes the direction of the flap, opening the discharge path. In this way, it cleans the filter elements in the best way, either manually or automatically.

Production Standards

DN80

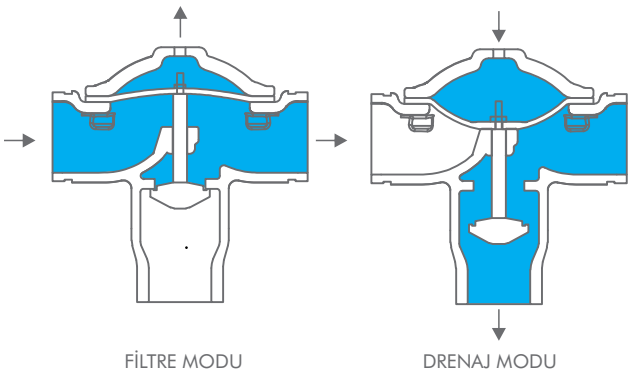
Pressure Range	1 bar ⇨ 10 bar
Connection	ISO (BSP)
Temperature	-10 °C +80 °C

Application Areas

- Agricultural irrigation

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.



Diameter	3"x2" V ctaul c (Metal)
Code	D-TYV
DN	80



Recommended Work Values

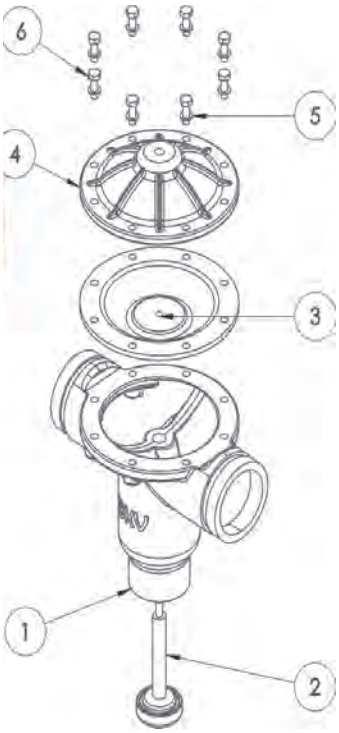
Working Pressure	Standartd	1-10 bar (10-145 psi)
Temperature	Min.Operating Temperature	-10°C
	Max.Operating Temperature	+80°C
Conections	Victualic	ISO (BSP)
Hydraulic Connections	Standard	Reinforced Nylon (Air Break) Hydraulic Hose
Current Links	Standard	Reinforced Nylon (Air Break) Hydraulic Hose

Globe Type Control Valves Size and Weight Table

DN	L	H	Weight	Discharge Information	Connection Type
mm	mm	mm	mm		
80	290	260	10.5 kg	2" BSP	3" Victualic

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

Ana Parçalar



1	Body	GGG40 Cast iron
2	Piston	Stainless
3	Diaphragm	Cord fabric reinforced natural rubber
4	Lid	Reinforced polyamide
5	M8 Rondela	8,8
7	M8 Bolt	Stainless

Flow Performance

Nominal Diameter	mm	80
	İnch	3"
kv	m^3/h- 1 Bar	