

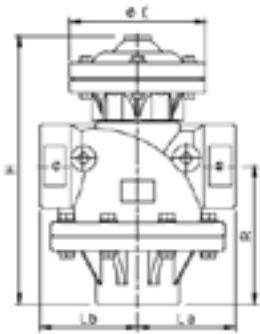
Backwash Valve 350 Series

Applications

For use with F600 Sand Media Tanks. The valves provide three way operation for backwashing.

Features

- Unique diaphragm actuated plug assembly for smooth operation
- No rolling diaphragm
- Closes supply port before backflush port opens
- No supply water to waste
- High flow capacity



BFLV22P



BFLV33P



BFLV44P

Pressure Loss, Kv Factor for Bermad 350 series Backwash Valves (Angle Flow)

Code	Valve	Filtering Mode	Backwash Mode
BFLV22P	2x2-350-P	$K_v = 52$	$K_v = 48$
BFLV33P	3x3-350-P	$K_v = 110$	$K_v = 100$
BFLV44P	4x4-350-P	$K_v = 225$	$K_v = 205$

Pressure Loss Equation : $P = (Q / K_v)^2$ where P = pressure loss in bar, Q = flow in m^3/hr , $K_v = m^3/hr$ at pressure loss of 1 Bar

Specifications

Valve Code	BFLV22P	BFLV33P	BFLV44P
End Connections	2" BSPF/50 mm Thread	3"/80 mm Grooved	4"/100 mm Grooved
Flush Connections	2" BSPF/50 mm Thread	3"/80 mm Grooved	4"/100 mm Grooved
Pressure Range	70-1000 kPa	70-1000 kPa	70-1000 kPa
Maximum Temperature	65°C	65°C	65°C
Chambers	2	2	2
Valve Body	Polyamide 6 - 30GF	Polyamide 6 - 30GF	Polyamide 6 - 30GF
Separating Partition	Polyamide 6 - 30GF	Polyamide 6 - 30GF	Polyamide 6 - 30GF
Cover	Polyamide 6 - 30GF	Polyamide 6 - 30GF	Polyamide 6 - 30GF
Diaphragm	NR-AL52 Nylon Fabric Reinforced	NR-AL52 Nylon Fabric Reinforced	NR-AL52 Nylon Fabric Reinforced
Seats, Diaphragm washers	Brass	Brass	Stainless Steel 304
Plug, Plug washer	Acetal Copolymer	Acetal Copolymer	Acetal Copolymer
Stopper Disc	PVC-U	PVC-U	PVC-U
Seal, O-Rings	NBR	NBR	NBR
Spring	Stainless Steel AISI 302	Stainless Steel AISI 302	Stainless Steel AISI 302
Shaft	Stainless Steel AISI 303	Stainless Steel AISI 303	Stainless Steel AISI 303
External Bolts, Nuts and Discs	Stainless Steel	Stainless Steel	Stainless Steel
Control Chamber Volume Displacement	0.13 L	0.34 L	0.55 L

Dimensions and Weights

Size	2" x 2" Threaded	3" x 3" Grooved	4" x 4" Grooved
H (mm)	274	378	464
R (mm)	127	120	225
La (mm)	90	143.5	138.5
Lb (mm)	90	143.5	178.5
ØC (mm)	126	160.5	210
Weight (kg)	2.8kg	2.8kg	9.9kg

Ordering Information

Code	Description
BFLV22P	2" x 2" 350 Series Plastic Backwash Valve (no coil)
IR2X2350-55-A-BP	2" x 2" 350 Series Plastic Backwash Valve (with 24VAC coil)
BFLV33P	3" x 3" 350 Series Plastic Backwash Valve (no coil)
BFLV44P	4" x 4" 350 Series Plastic Backwash Valve (no coil)