

Water Softner Composite

Duplex Performance



Features

- Filter tank in composite material for 10 bar
- Valve body in brass or Noryl.
Maximum incoming pressure is 8.6 bar
- Time or water meter controlled
- The valve is centrally located
- The valve is powered by 230V/50-60Hz, 1-phase

Suitable for

- Industries
- Small and medium-sized municipal water works
- Hospitals
- Steam plants, laundries
- Residential properties
- Maritime applications

Technical description - volume-controlled

The time-controlled automatic can be set to regeneration every day to every twelfth day. Parts in contact with liquid are made of completely corrosion-resistant materials.

The water meter controlled automation starts a regeneration when the preset water volume has passed the filter. The connection between the water meter and the counter is mechanical or communication cable, which means less risk of external interference. The automatic is placed centrally on top of the filter.

For further technical data, see chart on reverse page.

Water Softner

Operation

Filter series Duplex means that softened water is supplied during 24 hours a day. When one filter is in operation, the other is in standby mode. This means that when the pre-set water volume has passed through the filter in operation, the filters will switch to standby mode. The filter with used capacity is immediately regenerated and the other filter begins to soften the incoming water. When the first filter has finished regenerating, it will switch to standby mode until the capacity of the second filter is used up.

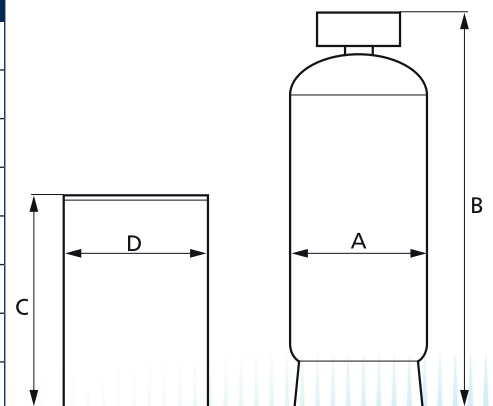
The principle of softening

The softening material (the ion exchanger) is a polymer-based synthetic resin product that is able to absorb hardness-forming salts (ions), such as calcium and magnesium, from a water solution and at the same time emits the same amount of sodium ions into the solution. This chemical reaction is reversible.

After the softening material is saturated with ions, in this case calcium and magnesium, the material is returned to its original state by regeneration with saline.

Working pressure 10 bar Max. temperature 45°C	Flow capacity (l/min)		Index capacity m ³ at 1 °dH	Salt consumption in kg	Pipe connection	Salt container Volume in L
Filter type	Normal	Max				
JB-25 Duplex	30	55	110	4,2	male M25	200
JB-30 Duplex	40	60	135	5	male M25	200
JB-33 Duplex	45	70	170	6,5	male M25	200
JB-35 Duplex	70	120	225	8,5	male M25	400
JB-41 Duplex	75	150	300	11	male M40	400
JB-53 Duplex	130	230	460	17	male M50	1000
JB-61 Duplex	160	300	700	26	male M50	1000
JB-76 Duplex	280	420	1100	40	male M50	1750

Dimensions in mm					
Filter type	A	B	C	D	Volume in liter
JB-25 Duplex	2x260	1560	1050	530	200
JB-30 Duplex	2x300	1400	1050	530	200
JB-33 Duplex	2x330	1540	1050	530	200
JB-35 Duplex	2x350	1810	1050	530	200
JB-41 Duplex	2x410	1810	1050	530	200
JB-53 Duplex	2x530	1920	870	765	400
JB-61 Duplex	2x610	2165	870	765	400
JB-76 Duplex	2x760	2300	1280	1000	1000



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