

Water Softener 316L

Duplex Performance



Features

- Filter tank in acid-resistant stainless steel, AISI 316L (EN1.4404).
- Approved according to PED for 6 or 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.

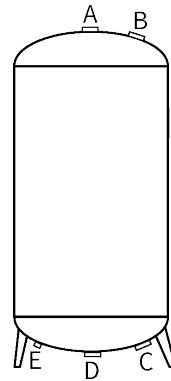
Water Softner

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.



- A = Valve connection
- B = Filling connection,
not apply for JB-55 and JB-80
- C = Draining filter media,
not applicable to JB-55 and JB-80
- D = Distributor system
- E = Draining

Filter type	Flow capacity		Index capacity m3 at 10dh	Salt consumption in kg	Pipe connection	Salt container normal max volume in L
	normal	max				
JB-55 Duplex	30	55	90	3,5	male M25	200
JB-80 Duplex	45	70	135	5	male M25	200
JB-175 Duplex	75	140	290	11	male M40	200
JB-310 Duplex	130	230	500	19	male M50	400
JB-500 Duplex	170	310	740	28	male M50	400
JB-800 Duplex	300	450	1060	40	male M50	1000
JB-1400 Duplex	390	560	2500	88	male M80	1000
JB-2300 Duplex	560	850	3600	127	male M80	1750

Max working pressure 8.6 bar, Max. temp 50°C, Electrical data 24V 50Hz. S-marked protective transformer 230/24V included.

Filter type	Diameter in mm		Salt container diameter in mm			
	total height	diameter	200 L	400 L	1000 L	1750 L
JB-55 Duplex	1470	2x250	570			
JB-80 Duplex	1480	2x300	570			
JB-175 Duplex	1730	2x400	570			
JB-310 Duplex	1930	2x550		765		
JB-500 Duplex	1970	2x650		765		
JB-800 Duplex	2100	2x750			1055	
JB-1400 Duplex	2470	2x950			1055	
JB-2300 Duplex	2580	2x1200				1260

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