

Compact softener K

Quantity and time controlled

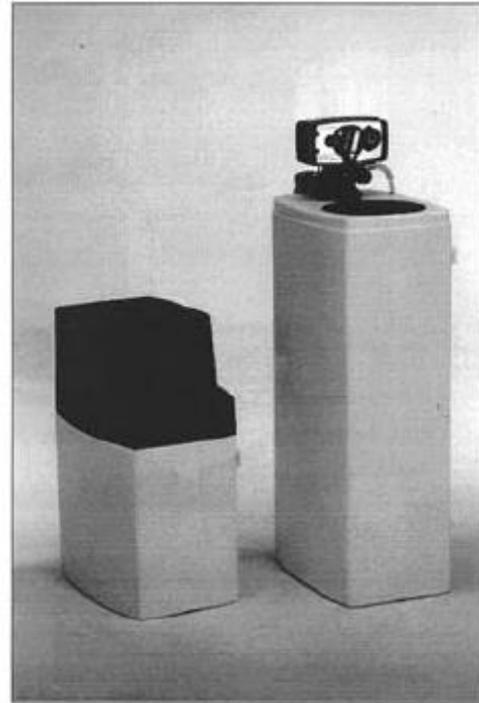
Description

Configuration

Package softener consists of:

- Housing with the ion exchange resin vessel, suction tube for brine suction and tablet salt vessel
- Ion exchange resin vessel made of glass-fiber re-enforced plastic
- Central distributing (control) valve
- Lid which enables access to the inside of the housing
- High capacity ion exchange resin
- Flexible connection hoses
- Turbine flowmeter with mechanical transmission.

Compact softener is used for residential and industrial water softening. It operates on the principle of neutral ion exchange. Process can be either quantity or time controlled. Regeneration is performed with tablet sodium chloride salt (NaCl).



Raw water enters the softener through a central distributor valve. The water flows from top nozzle. In contact with ion exchange resin, calcium and magnesium ions are substituted by sodium ions. Soft water leaves the system through the distributing valve towards the consumer. Central distributing valve regulates the process of resin

regeneration, which occurs in several stages (backwash, salt solution suction, slow and fast rinse). Water used for brine can be time or level controlled. When the brine tank is sufficiently full with water for the salt solution, the valve automatically sets itself into operation position. During the process of regeneration production of softened water is not possible.

Advantages

- Compact configuration, minimal space required
- Central control distributing valve
- Fully automated regeneration, time or quantity regulated
- Practical plastic housing reinforced with glass fibers

Additional equipment

- Blending device
- By-pass accessories
- Soft water quantity flowmeter
- Flexible connecting pipes.

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Technical data

Compact softener		K32	K60	K80	K100
Nominal capacity	m ³ x dH°	32	60	80	100
Minimum flow-rate	m ³ /h	0,05	0,08	0,13	0,15
Maximum flow-rate	m ³ /h	1,0	1,5	2,2	2,5
Pressure drop	bar	0,3	0,5	1,0	1,2
Operating pressure min./max.	bar	3/6			
Pressure fluctuation max.	bar	± 0,5			
Operating temperature min./max.	°C	5/30			
Pipe connections	Raw water	R1"			
	Softened water	R1"			
Salt consumption / regeneration	kg	1,8	3,0	4,0	5,0
Resin quantity in the vessel	l	8	15	20	25
Ion exchanger	type	Strong acid cationic			
Brine tank					
Volume	kg	60	100	100	100
Material		PE			
Controlling					
Controlling softeners	type	Quantity or time controlled			
Central control valve	type	5600			
Electrical connection					
Priključno breme ca.	VA	3			
Voltage / frequency	V / Hz	230/50			
Dimensions					
Width	mm	320	320	320	320
Depth	mm	480	500	500	500
Height	mm	670	1.130	1.130	1.130