TECHNICAL DATA OF WATER SOFTENER CMS PLUS

Technical parameters of equipment	Unit	Model					
		CMS8 PLUS	CMS9 PLUS	CMS10 PLUS	CMS12 PLUS	CMS13 PLUS	CMS14 PLUS
Flow rate Q_{max}	m^3/h	0.6	1.0	1.6	2.2	2.8	3.6
The amount of water for regeneration (min)	liters	100	130	156	200	250	300
The amount of water for regeneration (max)	m^3/h	0.6	0.8	1.0	1.5	1.7	2.0
Container size (diameter)	inches	8	9	10	12	13	14
	m	0.20	0.23	0.25	0.30	0.33	0.36
Container volume	liters	25	32	64	85	110	145
The amount of filtering material	liters	15	25	40	55	70	100
Dimensions							
Length	m	0.53	0.56	0.59	0.64	0.84	0.87
Width	m	0.28	0.28	0.28	0.30	0.46	0.46
Height	m	1.14	1.47	1.62	1.57	1.62	1.91
Connection. in /ext/kan.	inches	1"	1"	1"	1"	1"	1 ¼"
Clack control unit		CI 1"	CI 1"	CI 1"	CI 1"	CI 1"	CI 1,25''
Filtration		Hardness, iron					
Container material		FRP (fiberglass)					
Filtering material		Ion exchange resins Ecotar B, silica sand 1x3mm, 3x5 mm					
Operating pressure	bar	2-6					
Electric Connection		220V, 50Hz, 1 phase					
Electricity consumption	W	3 W					

WATER SOFTENER WATEX CMS PLUS DESCRIPTION

APPLICATION

WATEX CMS+ series equipment is a water softening equipment for households. It is able to reduce water hardness and iron content.

FILTER PERFORMANCE

For recovery of filtering material (ion resins) reagent (NaCl or salt tablets) is used. Wastewaters produced in regeneration processes of equipment in WATEX CMS+ can be directly discharged to biological wastewater treatment plant. WATEX CMS PLUS consists of a filter column, control unit and salt tank. The filter column is filled with ion exchange resin (cationic), which reduces hardness and iron concentration in water. The control unit performs automatic regeneration. Salt tank is filled with a reagent (NaCl, salt tablets) for resin regeneration. Capacity of filter material is calculated according to amount of resins and raw water quality. The filter also performs the function of iron removal, but the iron content must not exceed 15.0 mg / l.

FILTER CONTROL

WATEX CMS PLUS is equipped with a Clack WSCI1 control unit, with a built-in flow meter that performs filter material regeneration according to water consumption. Flowmeter saves water and salt used for filter regeneration. The unit can be fitted with a bypass pipeline that allows to perform maintenance works with ease. Control unit saves all information in case of power failure. Equipment has many parameters that can be adjusted according to needs, such as washing time, frequency, reagent consumption, and so on. It is possible to change the water hardness.

EQUIPMENT MAINTENANCE

Although the equipment uses salt tablets for regeneration it is safe to use filtered water for drinking and other human needs. It is necessary to provide electricity connection power (one socket), sewerage drainage and incoming / outgoing water supply with minimum pressure of 2.5 bar.

RECOMMENDATIONS

- Recommendation! Before selection of equipment, it is recommended to test raw water chemical composition.
- Recommendation! Before the water filter, it is preferable to install mechanical filter to ensure long-term equipment service life.