

SINGLE SOFTENERS

series WS/D-08 - WS/D-210

efficiency do 0,2 - 6,0 l./h

Water is necessary for both individuals and industry. Deteriorating water quality has caused its treatment one of the most important issues.

The most common water problem is the hardness, measured with the degree of calcium and magnesium ions dissolved. The compounds with these ions are the reason of scaling, which may cause (among other problems) energy loss of even 30 – 40%.

Our softeners' characteristics:

- * Fully automatic
- * Work in alternating or parallel system
- * Corrosion-proof housings with 10-year warranty
- * Media lifetime up to 20 years
- * High reliability of the dosing systems for regeneration agent – longevity up to 3 years
- * Low operating outlays
- * Hardened, high-durability housing
- * Possibility to control the quantity of the salt, used for regeneration, ipso facto the quantity of water between regenerations
- * Water bypass in the control valve, making water flow during regeneration possible
- * Short regeneration time (up to 2h at night)
- * Best quality and reliability
(Warranty up to 3 years)



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WATER TREATMENT

Model		WS/D-08	WS/D-15	WS/D-25	WS/D-35	WS/D-45	WS/D-65	WS/D-75	WS/D-100	WS/D-130	WS/D-180	WS/D-210	
Media	Cation exchanger quantity [L]	8	15	25	35	45	65	75	100	130	180	210	
Media tank	Type [inch]	8 x 17	8 x 35	8 x 44	10 x 44	10 x 54	12 x 48	13 x 54	14 x 65	16 x 65	18 x 65	21 x 62	
Valve type		255						268					
Regenerant tank	Volume [L]	35	35	75	75	100	100	100	150	300	300	300	
	Salt quantity [L]	8	15	25	35	45	65	75	100	150	150	150	
Flow ¹	Minimal [L/h]	0,2	0,4	0,6	0,9	1,6	1,8	1,9	2,5	3,0	3,6	4,2	
	Nominal [L/h]	0,5	0,7	1,0	1,3	1,7	2,0	2,2	2,8	3,5	4,1	5,0	
	Maximal [L/h]	1,2	1,5	1,8	2,0	2,3	2,7	3,0	3,5	4,0	4,6	6,0	
Ion exchange capacity	Max [val]	16	30	50	70	90	120	150	200	260	360	420	
	Min [val]	9,6	18	30	42	54	75	90	120	156	216	252	
Salt consumption ²	Max [kg]	2,0	3,7	6,2	8,7	11,2	15,4	18,7	25	32,5	45	52	
	Min [kg]	0,6	1,2	2,0	2,8	3,6	4,8	6,0	8	10,4	14,4	16,8	
Water quantity in cycle ³	Max [L]	5,3	10	16,6	23,3	30	42	50	66,6	87	120	140	
	Min [L]	3,2	6	10	14	18	26	30	40	52	72	84	
Backwash capacity [L/min.]		5,32	6,08	6,08	9,12	9,12	12,16	15,2	19	22,8	32,3	32,3	
Recommended backwash time [min.]		10											
Pressure drop [bar]		0,2						0,3					
Working pressure [bar]		2 - 8											
Feed water temperature [°C]		1 - 38											
Power supply [V]		12											
Water connection [inch]		1											
Filter dimensions	A [m]- height	1,05	1,05	1,30	1,30	1,55	1,4	1,55	1,83	1,95	1,95	2,00	
	B [m]- width	0,40	0,50	0,50	0,70	0,70	0,8	0,90	1,00	1,10	1,20	1,40	
Tank dimensions	C [m]- height	0,35	0,35	0,80	0,80	0,60	0,60	0,60	0,60	1,06	1,06	1,06	
	D [m]- width	0,30	0,30	0,30	0,30	0,46	0,46	0,46	0,46	0,62	0,62	0,62	

Unit calculator:

3,8 liter/min = 1 GPM

1 inch = 2,54 cm.

1 bar = 15 PSI

1 mval/liter = 5 °F = 2,8 °d = 50 mg CaCO₃/liter

Explanations:

¹ minimal flow recommended for use with boilers

² for iron contents 1,0 mg/liter

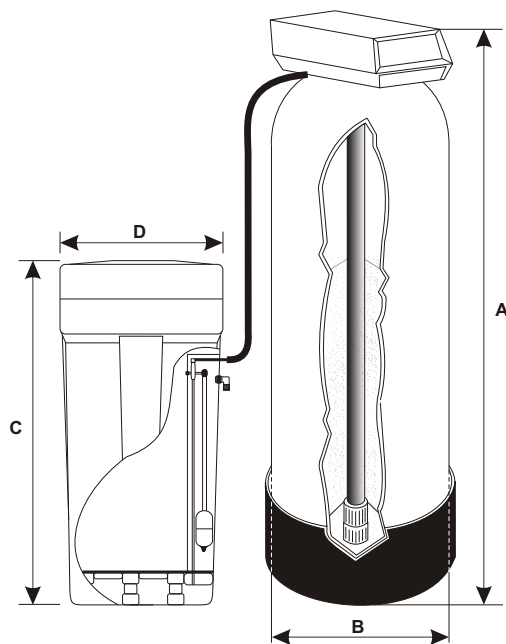
³ depending on water quality and flow

The components are TUV and PZH certified, conform to the EU directives



We also offer:

- Softeners and Iron Removers
- Special filters
- UV lamps
- Reverse osmosis
- Chemicals dosing systems
- Demineralizers
- Galvanic waters treatment



*Due to the fast technology development we reserve the right to change technical data without prior notice