

SOFTENERS FOR CONSTANT OPERATION

series WS/D-130 - WS/D-1000

efficiency 3,2 - 41,0 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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Model		WS/D-130	WS/D-180	WS/D-210	WS/D-300	WS/D-500	WS/D-700	WS/D-1000
Media	Cation exchanger quantity [L.]	130	180	210	300	500	700	1000
	Type [inch]	16 x 65	18 x 65	21 x 66	24 x 69	30 x 78	36 x 78	42 x 78
Valve type		Magnum						
Regenerant tank	Volume [L.]	300	300	300	550	550	1000	1400
	Salt quantity [L.]	150	150	420	350	350	700	1000
Flow ^I	Minimal [L/h]	3,2	4,5	5,2	7,5	12,5	17,5	25
	Nominal [L/h]	4,0	5,4	6,5	9,0	14,2	20,5	28,5
	Maximal [L/h]	5,7	8,0	9,2	12,0	20,5	26,5	41
Ion exchange capacity	Max [val]	260	360	50	600	1000	1400	2000
	Min [val]	156	216	252	360	600	840	1200
Salt consumption ^{II}	Max [kg]	32,5	45	52,5	75	125	175	250
	Min [kg]	10,4	14,4	16,8	24	40	56	80
Water quantity in cycle ^{III}	Max [L.]	87	120	140	200	333	466	690
	Min [L.]	52	72	84	120	200	280	420
Backwash capacity [L./min.]		6,5	9	10,5	15	25	35	45
Recommended backwash time [min.]		10			15			
Pressure drop [bar]		0,2			0,3			
Working pressure [bar]					2 - 8			
Feed water temperature [°C]					1 - 38			
Power supply [V]					220/12			
Water connection [inch]		1 ^{1/2}			1 ^{1/2} Hub 2		2	
Filter dimensions	A [m]- height	1,95	1,95	1,95	2,05	2,12	2,12	2,40
	B [m]- width	0,40	0,45	0,53	0,6	0,75	0,9	1,1
Tank dimensions	C [m]- height	1,06	1,06	1,06	1,14	1,14	1,14	1,14
	D [m]- width	0,62	0,62	0,62	0,82	0,82	1,16	1,16

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

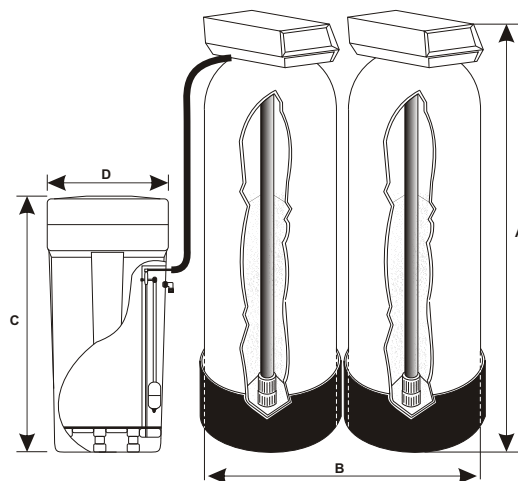
³ depending on water quality and flow

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