

# SOFTENERS



## DUO OPTIM 130-1000

Series for continuous soft water production used in light commercial application, boiler feed, cooling towers, industrial applications and other processes.

- 5 – cycle automatic valve
- Softening media – ion exchange strong cation resin
- Corrosion resistant fiberglass tank
- Separate brine tank
- Smart controllers ensure 100% soft water despite of water consumption through 24h/day
- High efficiency of hardness ion exchange
- High technology valve
- Volumetric controller
- Alternating or parallel system work
- Memory backup, time of each cycle programmable, measured and displayed flow rate, displayed capacity remaining in volume of water to resin exhausted



Valve LOGIX MAGNUM

## Softeners two-columns (data for one column):

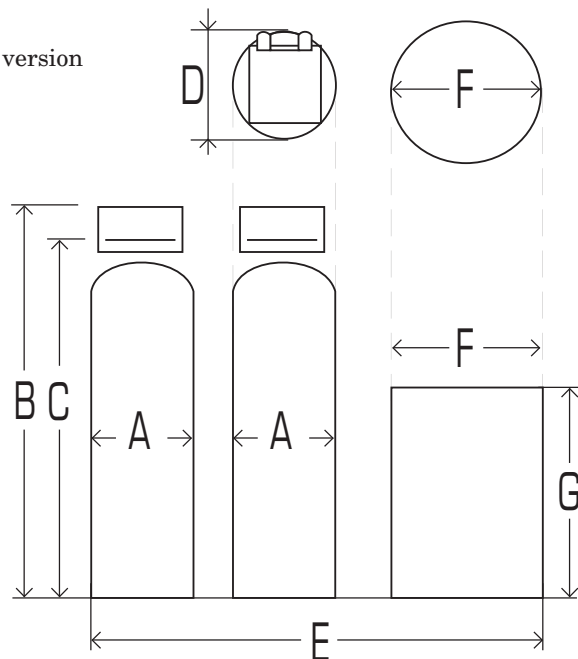
MODEL	Ion capacity [°F x m <sup>3</sup> ]	Salt <sup>(1)</sup> consumption [kg/ 1 reg.]	Flow rate nominal [m <sup>3</sup> / h]	Flow rate maximal [m <sup>3</sup> / h]	Pressure drop <sup>(2)</sup> [bar]	Resin volume [dm <sup>3</sup> ]	Salt tank volume [dm <sup>3</sup> ]
<b>DUO OPTIM 130</b>	520 - 910	10 - 29	3,2	5,2 / 10,4*	0,1	130	190
<b>DUO OPTIM 180</b>	720 - 1260	14 - 40	4,5	7,2 / 14,4*	0,2	180	340
<b>DUO OPTIM 210</b>	840 - 1470	17 - 46	5,3	8,4 / 16,8*	0,3	210	460
<b>DUO OPTIM 300</b>	1200 - 2100	24 - 66	7,5	12 / 24*	0,4	300	460
<b>DUO OPTIM 500</b>	2000 - 3500	40 - 110	12,5	20 / 40*	0,6	500	670
<b>DUO OPTIM 700</b>	2800 - 4900	56 - 154	17,5	22 / 44*	1,0	700	920
<b>DUO OPTIM 1000</b>	4000 - 7000	80 - 220	22	22 / 44*	1,7	1000	920

(1) Depends on used ion capacity

(2) At nominal flow rate

(\*) At work both columns (except for regeneration) in a parallel version

Common data	Value	units
Connection inlet/outlet model 130 - 300	1,5	cal
Connection inlet/outlet model 500 - 1000	2	cal
Drain line connection	1,5	cal
Pressure min/max	1,7 - 8,6	bar
Max. temperature	1 - 38	OC
Power connection	220/12	V/AC



Dimensions MODEL	A - tank diameter [cm]	B - heigh [cm]	C - heigh to connections [cm]	D - deep [cm]	E - connect. distance [cm]	F - salt tank diameter [cm]	G - heigh salt tank [cm]
<b>DUO OPTIM 130</b>	41	201	179	58	171	50	108
<b>DUO OPTIM 180</b>	49	201	179	60	192	64	115
<b>DUO OPTIM 210</b>	53	192	170	62	207	74	115
<b>DUO OPTIM 300</b>	61	212	190	66	215	74	115
<b>DUO OPTIM 500</b>	77	228	206	77	270	89	115
<b>DUO OPTIM 700</b>	93	236	214	93	310	104	115
<b>DUO OPTIM 1000</b>	110	260	238	110	350	104	115



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