



## DUO OPTIM 08-100

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

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

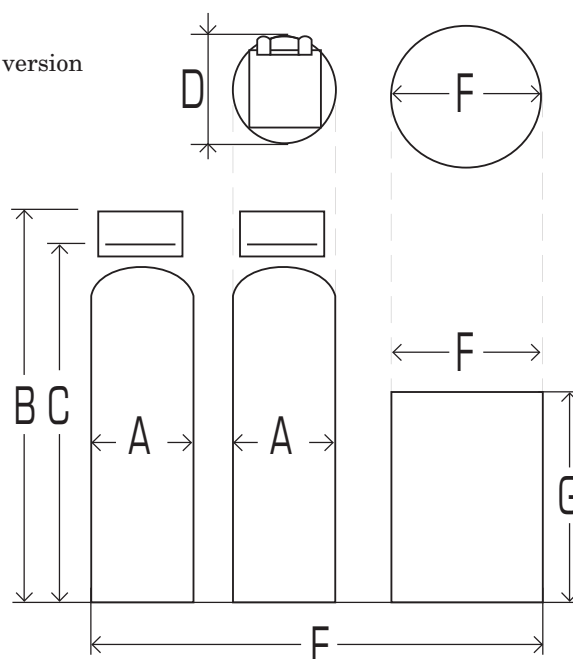
| MODEL                | Ion capacity<br>[°F x m <sup>3</sup> ] | Salt <sup>(1)</sup><br>consumption<br>[kg/ 1 reg.] | Flow rate<br>nominal<br>[m <sup>3</sup> / h] | Flow rate<br>maximal<br>[m <sup>3</sup> / h] | Pressure<br>drop <sup>(2)</sup><br>[bar] | Resin<br>volume<br>[dm <sup>3</sup> ] | Salt tank<br>volume<br>[dm <sup>3</sup> ] |
|----------------------|----------------------------------------|----------------------------------------------------|----------------------------------------------|----------------------------------------------|------------------------------------------|---------------------------------------|-------------------------------------------|
| <b>DUO OPTIM 15</b>  | 60 - 105                               | 1,2 - 3,3                                          | 0,7                                          | 1,5 / 3,0*                                   | 0,1                                      | 15                                    | 75                                        |
| <b>DUO OPTIM 25</b>  | 100 - 175                              | 2,0 - 5,5                                          | 1,0                                          | 1,8 / 3,6*                                   | 0,2                                      | 25                                    | 75                                        |
| <b>DUO OPTIM 35</b>  | 140 - 245                              | 2,8 - 7,7                                          | 1,2                                          | 2,0 / 4,0*                                   | 0,4                                      | 35                                    | 100                                       |
| <b>DUO OPTIM 45</b>  | 180 - 315                              | 3,6 - 9,9                                          | 1,6                                          | 2,3 / 4,6*                                   | 0,6                                      | 45                                    | 100                                       |
| <b>DUO OPTIM 65</b>  | 260 - 455                              | 5,2 - 14,3                                         | 2,0                                          | 2,5 / 5,0*                                   | 0,7                                      | 65                                    | 140                                       |
| <b>DUO OPTIM 75</b>  | 300 - 525                              | 6,0 - 16,5                                         | 2,2                                          | 3,0 / 6,0*                                   | 0,8                                      | 75                                    | 190                                       |
| <b>DUO OPTIM 100</b> | 400 - 700                              | 8,0 - 22,0                                         | 2,5                                          | 3,5 / 7,0*                                   | 1,0                                      | 100                                   | 190                                       |

<sup>(1)</sup> Depends on used ion capacity

<sup>(2)</sup> At nominal flow rate

<sup>(\*)</sup> At work both columns (except for regeneration) in a parallel version

| Common data             | Value  | units |
|-------------------------|--------|-------|
| Connection inlet/outlet | 1      | cal   |
| Drain line connection   | 1/2    | cal   |
| Pressure min/max        | 2 - 8  | bar   |
| Max. temperature        | 1 - 38 | OC    |
| Power connection        | 220/12 | V/AC  |



| Dimensions<br>MODEL  | A - tank<br>diameter<br>[cm] | B - heigh<br>[cm] | C - heigh to<br>connections<br>[cm] | D - deep<br>[cm] | E - connect.<br>distance<br>[cm] | F - salt tank<br>diameter<br>[cm] | G - heigh<br>salt tank<br>[cm] |
|----------------------|------------------------------|-------------------|-------------------------------------|------------------|----------------------------------|-----------------------------------|--------------------------------|
| <b>DUO OPTIM 15</b>  | 19                           | 107               | 93                                  | 30               | 145                              | 34                                | 89                             |
| <b>DUO OPTIM 25</b>  | 21                           | 130               | 116                                 | 30               | 147                              | 34                                | 89                             |
| <b>DUO OPTIM 35</b>  | 26                           | 130               | 116                                 | 32               | 152                              | 34                                | 105                            |
| <b>DUO OPTIM 45</b>  | 26                           | 156               | 142                                 | 32               | 152                              | 34                                | 105                            |
| <b>DUO OPTIM 65</b>  | 34                           | 130               | 116                                 | 36               | 160                              | 50                                | 80                             |
| <b>DUO OPTIM 75</b>  | 34                           | 156               | 142                                 | 36               | 160                              | 50                                | 108                            |
| <b>DUO OPTIM 100</b> | 36                           | 192               | 178                                 | 37               | 162                              | 50                                | 108                            |



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