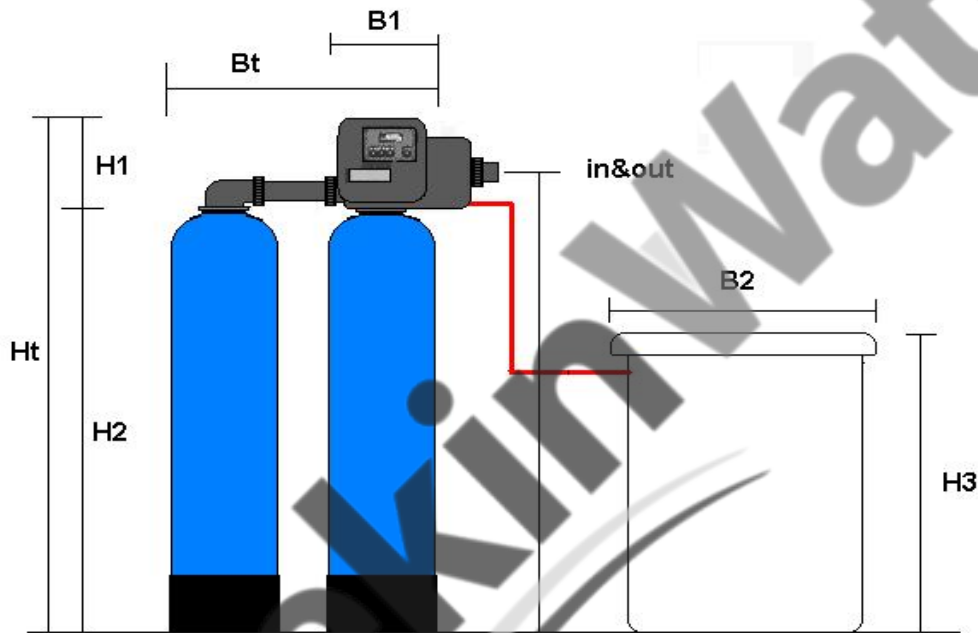


TECHNICAL DATA SHEET TT DUPLEX SOFTENERS CLACK WS1CI TT

Dimensions (cm)



| resin Volume | valve H1 | vessel H2 | brine tank H3 | softener Ht | Connection Ht | vessel B1 | softener Bt | brine tank B2 | weight (*) kg |
|--------------|----------|-----------|---------------|-------------|---------------|-----------|-------------|---------------|---------------|
|--------------|----------|-----------|---------------|-------------|---------------|-----------|-------------|---------------|---------------|

| | | | | | | | | | |
|----------|----|-----|-----|-----|-----|----|-----|-----------|-----|
| 10 817 | 19 | 42 | 44 | 61 | 47 | 22 | 45 | 32 sq | 35 |
| 20 835 | 19 | 89 | 84 | 108 | 94 | 22 | 45 | 44 sq | 56 |
| 30 1035 | 19 | 89 | 84 | 108 | 94 | 27 | 64 | 44 sq | 75 |
| 40 1044 | 19 | 112 | 84 | 131 | 117 | 27 | 64 | 44 sq | 96 |
| 50 1054 | 19 | 139 | 84 | 158 | 144 | 27 | 64 | 44 sq | 115 |
| 60 1248 | 19 | 123 | 83 | 142 | 128 | 32 | 77 | 67 ϕ | 147 |
| 75 1354 | 19 | 140 | 101 | 159 | 145 | 34 | 80 | 76 ϕ | 180 |
| 100 1465 | 19 | 168 | 93 | 187 | 173 | 37 | 92 | 87 ϕ | 235 |
| 125 1465 | 19 | 168 | 93 | 187 | 173 | 37 | 92 | 87 ϕ | 280 |
| 150 1665 | 19 | 167 | 124 | 186 | 172 | 41 | 96 | 87 ϕ | 340 |
| 200 1865 | 19 | 179 | 124 | 198 | 184 | 51 | 119 | 87 ϕ | 440 |

(*) total weight of the unit without water or filled brine tank

(**) sizes may vary dependant on components used and should only be used as a guide.

General conditions for installation

| | |
|-----------------------------|---------------------------------------|
| Connection IN & OUT: | 1" |
| Option side mount: | N/A |
| Drain connection(*): | 3/4" or 1" for DLFC flows over 10 gpm |
| Electrical rating: | 230V 50Hz 12V Transferr |
| max power rating: | 6W |
| IP protection class: | Double isolated transformer |
| Minimum inlet pressure : | 200 kPa (2 bar) |
| Maximum inlet pressure: | 600 kPa (6 bar) |
| Vacuum: | no allowance |
| Average pressure loss (**): | 100 kPa (1 bar) |
| Min-max water temperature: | 5-35°C |

Remarks

(*) Dependant on Drain line flow control.

(**) Under normal circumstances.

It is always recommended to install a 25µ cartridge filter before a softener.

Resin

| | |
|------------|--|
| Type: | Strong acid cation resin - softening ,food grade quality |
| Life span: | 15 years under normal circumstances |

Ion exchange (for average salt consumption of 150 g/L)

| | | | | | | | | | | | |
|-------------------------------|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|
| Litres of resin | 10 | 20 | 30 | 40 | 50 | 60 | 75 | 100 | 125 | 150 | 200 |
| Capacity Kg CaCO ₃ | 0.5 | 1 | 1.5 | 2 | 2.5 | 3 | 3.8 | 5 | 6.3 | 7.5 | 10 |
| M ³ @ 300ppm | 1.6 | 3.3 | 5 | 6.6 | 8.3 | 10 | 13 | 17 | 21 | 25 | 33 |
| Salt consumption | 1.5 | 3 | 4.5 | 6 | 7.5 | 9 | 11 | 15 | 19 | 23 | 30 |

Regeneration

| | |
|---------|---|
| Start : | Default Time 2:00 am, set on the timer as (delayed regeneration) Options : TIME - VOLUME - IMMEDIATE - DELAYED - DAYS OVERRIDE and Manual Regeneration. |
|---------|---|

| | | | | | | | | | | | |
|------------------|----|----|----|----|----|----|----|----|----|----|----|
| Total time min : | 65 | 65 | 79 | 71 | 81 | 73 | 75 | 97 | 97 | 82 | 95 |
|------------------|----|----|----|----|----|----|----|----|----|----|----|

Remarks

The interval between egenerations should not be more than 14 days, to prevent bacteria growth.

Flow rate

| | | | | | | | | | | | |
|---------------------------|-----|-----|-----|-----|----|-----|----|-----|-----|-----|-----|
| Litres of resin | 10 | 20 | 30 | 40 | 50 | 60 | 75 | 100 | 125 | 150 | 200 |
| Nominal M ³ /h | 0.4 | 0.8 | 1.2 | 1.6 | 2 | 2.4 | 3 | 4 | 5 | 6 | 6.4 |
| Minimum L/h | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 |

Consumption of rinse water (Litres)

| | | | | | | | | | | | |
|------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Litres of resin | 10 | 20 | 30 | 40 | 50 | 60 | 75 | 100 | 125 | 150 | 200 |
| 1.Backwash | 32 | 32 | 52 | 52 | 52 | 74 | 95 | 95 | 95 | 132 | 170 |
| 2.Brining + Slow rinse | 72 | 67 | 124 | 102 | 110 | 153 | 188 | 263 | 246 | 282 | 440 |
| 4.Fast rinse | 39 | 39 | 62 | 62 | 62 | 89 | 114 | 114 | 114 | 159 | 204 |
| Total *** | 143 | 138 | 238 | 216 | 224 | 316 | 397 | 472 | 455 | 573 | 814 |

(**) Figures based on 60 PSI pressure.

10/12/2018