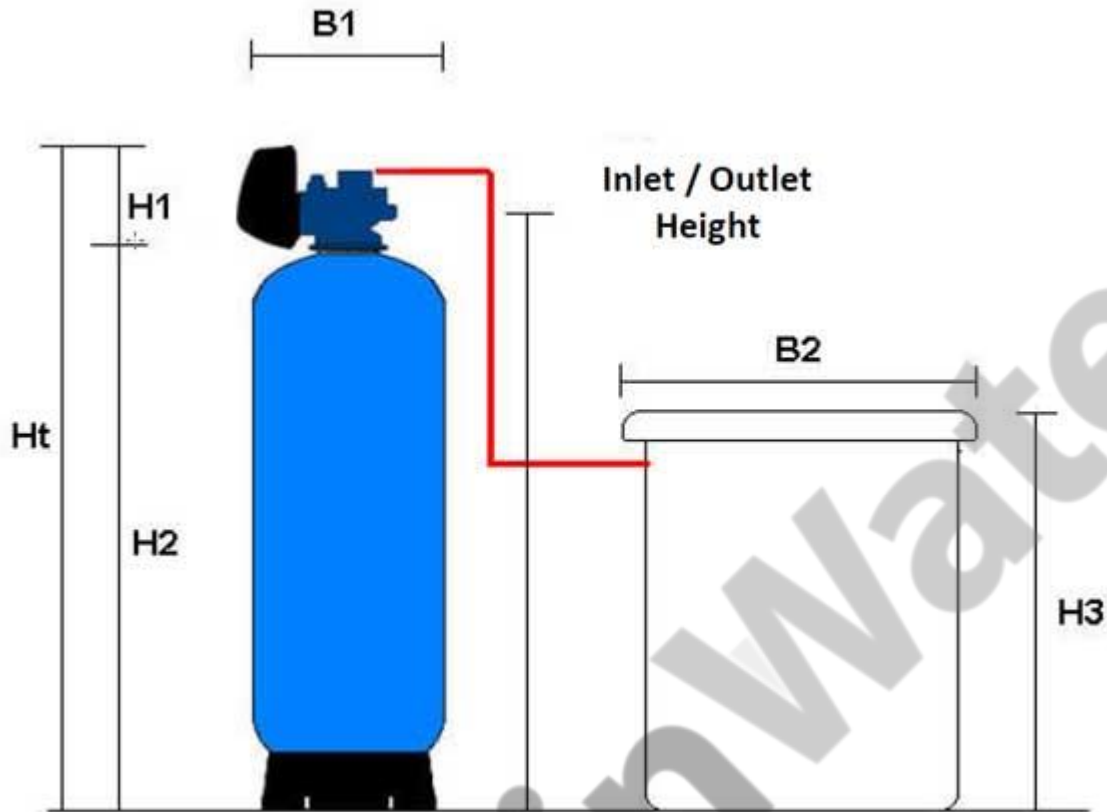


# CLACK Simplex Water Softener Data Sheet



## Simplex Softeners

| resin volume (litres) | valve H1 (cm) | vessel H2 (cm) | brine tank H3 (cm) | softener Ht (cm) | Inlet / Outlet Height (cm) | vessel B1 (cm) | brine tank B2 (cm) | weight * (kg) |
|-----------------------|---------------|----------------|--------------------|------------------|----------------------------|----------------|--------------------|---------------|
| 20                    | 19            | 91             | 44                 | 110              | 98                         | 22             | 32sq               | 27            |
| 30                    | 19            | 91             | 89                 | 110              | 98                         | 27             | 32sq               | 40            |
| 40                    | 19            | 113            | 84                 | 132              | 120                        | 27             | 44sq               | 50            |
| 50                    | 19            | 140            | 84                 | 159              | 147                        | 27             | 44sq               | 65            |
| 60                    | 19            | 125            | 84                 | 144              | 132                        | 32             | 44sq               | 75            |
| 75                    | 19            | 140            | 83                 | 159              | 147                        | 35             | 67 $\phi$          | 90            |
| 100                   | 19            | 168            | 83                 | 187              | 175                        | 37             | 67 $\phi$          | 118           |
| 125                   | 19            | 168            | 83                 | 187              | 175                        | 37             | 67 $\phi$          | 140           |

All measurements can vary due to the cooling process during manufacture of the vessels and brine tanks.

\* Estimated weight of the system without water or salt.

|                               |     |     |     |     |    |     |     |     |
|-------------------------------|-----|-----|-----|-----|----|-----|-----|-----|
| Litres of Resin               | 20  | 30  | 40  | 50  | 60 | 75  | 100 | 125 |
| Capacity kg CaCO <sub>3</sub> | 1   | 1.5 | 2   | 2.5 | 3  | 3.8 | 5   | 6.3 |
| m <sup>3</sup> @ 300ppm       | 3.3 | 5   | 6.6 | 8.3 | 10 | 13  | 17  | 21  |
| Salt Consumption Kg / Regen   | 3   | 4.5 | 6   | 7.5 | 9  | 11  | 15  | 19  |

|                 |    |      |    |      |    |      |     |      |
|-----------------|----|------|----|------|----|------|-----|------|
| Litres of Resin | 20 | 30   | 40 | 50   | 60 | 75   | 100 | 125  |
| Total Time min  | 67 | 79.0 | 71 | 81.0 | 73 | 75.0 | 97  | 97.0 |

|                            |     |      |     |      |     |      |     |      |
|----------------------------|-----|------|-----|------|-----|------|-----|------|
| Litres of Resin            | 20  | 30   | 40  | 50   | 60  | 75   | 100 | 125  |
| 1. Backwash (litres)       | 32  | 52.0 | 52  | 52.0 | 74  | 95.0 | 95  | 95.0 |
| 2. Brining + Slow (litres) | 67  | 124  | 102 | 110  | 153 | 188  | 263 | 246  |
| 4. Fast Rinse (litres)     | 39  | 62   | 62  | 62   | 89  | 114  | 114 | 114  |
| Total*** (litres)          | 138 | 238  | 216 | 224  | 316 | 397  | 472 | 455  |

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**Wrekin Water**