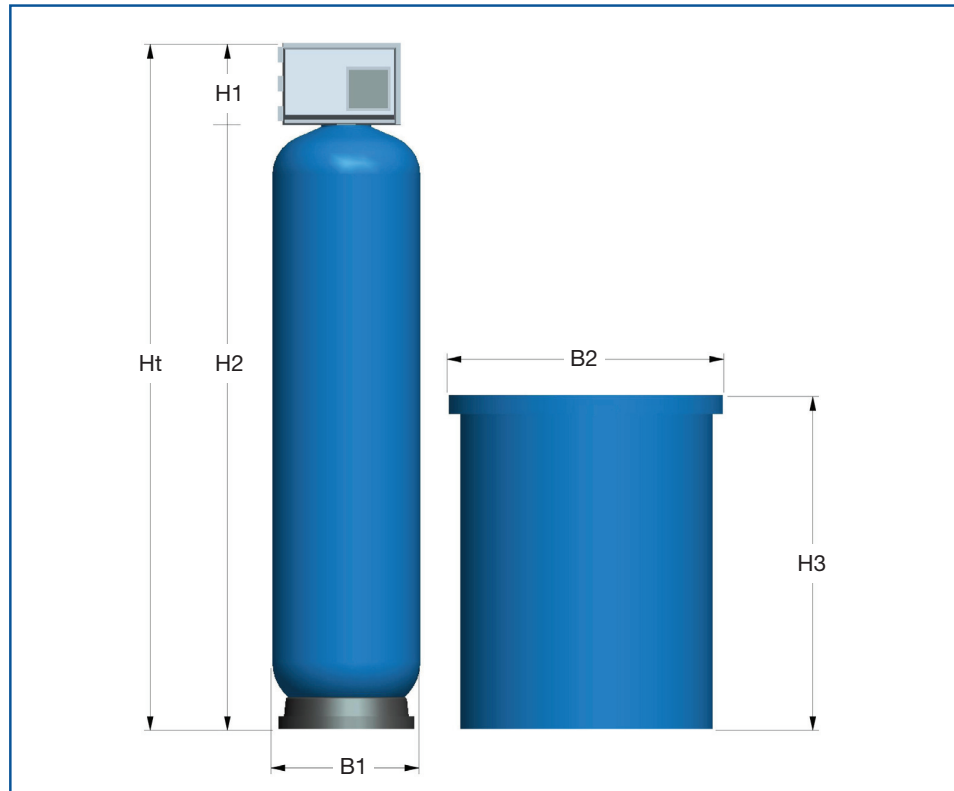


# Fleck Simplex 2750



## Dimensions (mm)

| Resin Litres | Valve H1 | Vessel H2 | Vessel B1 | Brine Tank H3 | Brine Tank B2 | Softener Ht | Inlet/Outlet |
|--------------|----------|-----------|-----------|---------------|---------------|-------------|--------------|
| 75           | 220      | 1374      | 334       | 830           | 670           | 1594        | 1"           |
| 100          | 220      | 1660      | 369       | 830           | 670           | 1880        | 1"           |
| 125          | 220      | 1660      | 369       | 830           | 670           | 1880        | 1"           |
| 150          | 220      | 1660      | 406       | 1000          | 760           | 1880        | 1"           |
| 200          | 220      | 1640      | 552       | 1000          | 760           | 1860        | 1"           |
| 250          | 220      | 1640      | 552       | 930           | 870           | 1860        | 1"           |
| 300          | 220      | 1890      | 610       | 930           | 870           | 2110        | 1"           |

## General conditions for installation

|                           |                     |
|---------------------------|---------------------|
| Connection Inlet & Outlet | : 1" BSPM           |
| Drain Connection *        | : 3/4" BSPF         |
| Electrical Rating         | : 230-24V / 50 Hz   |
| Power Rating              | : 35 watts          |
| Minimum Inlet Pressure    | : 200 kPa ( 2 Bar ) |
| Maximum Inlet Pressure    | : 700 kPa ( 7 Bar ) |
| Vacuum                    | : Not permitted     |
| Average Pressure Loss **  | : 100 kPa ( 1 Bar ) |
| Maximum Water Temperature | : 43°C              |

\* Open drain required

\*\* It is recommended that a 20µm Pre-cartridge filter be installed prior to the inlet of the water softener



# Fleck Simplex 2750

## Resin

Type : Strong acid cation resin - softening, food grade quality  
 Life Span : 15 years under normal operating conditions

| Ion exchange                           |         |                    |                    |                    |                    |                    |                    |                  |
|--|---------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|------------------|
| Litres of Resin                        |         | 75                 | 100                | 125                | 150                | 200                | 250                | 300              |
| Softener Capacity as CaCO <sup>3</sup> | 200ppm  | 18.7m <sup>3</sup> | 25m <sup>3</sup>   | 31.2m <sup>3</sup> | 37.5m <sup>3</sup> | 50m <sup>3</sup>   | 62.5m <sup>3</sup> | 75m <sup>3</sup> |
|  | 250ppm  | 15m <sup>3</sup>   | 20m <sup>3</sup>   | 25m <sup>3</sup>   | 30m <sup>3</sup>   | 40m <sup>3</sup>   | 50m <sup>3</sup>   | 60m <sup>3</sup> |
|  | 300ppm  | 12.5m <sup>3</sup> | 16.6m <sup>3</sup> | 20.8m <sup>3</sup> | 25m <sup>3</sup>   | 33.3m <sup>3</sup> | 41.6m <sup>3</sup> | 50m <sup>3</sup> |
| Salt Consumption                       | kg/reg. | 9                  | 13                 | 15                 | 18                 | 26                 | 31                 | 36               |

| Flow rate       |                            |  |     |     |     |     |     |     |
|-----------------|----------------------------|--|-----|-----|-----|-----|-----|-----|
| Litres of Resin |                            | 75   | 100 | 125 | 150 | 200 | 250 | 300 |
|                 | nominal m <sup>3</sup> /hr | 3.4  | 3.9 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
|                 | peak m <sup>3</sup> /hr    | 2.6  | 4.6 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
|                 | minimum metered            | 60 Litres/Hour (¾" Meter) - 160 Litres/Hour (1" Meter) |     |     |     |     |     |     |

## Regeneration

Time Clock Version : 7 or 12 days ( 2.00am default time regeneration )  
 Volume Delayed or Immediate ¾" Meter : 8 or 40m<sup>3</sup> ( delayed 2.00am default time regeneration )  
 1" Meter : 20 or 100m<sup>3</sup> ( delayed 2.00am default time regeneration )  
 : SE/SXT Meter  
 Manual : Manual operation as required

### Remarks:

The interval between regenerations should not be more than 4 days, this is to prevent bacteria growth. Regenerations should be more than 8 hours apart.

| Regeneration water usage |        |     |     |     |      |      |      |      |
|--------------------------|--------|-----|-----|-----|------|------|------|------|
| Litres of Resin          |        | 75  | 100 | 125 | 150  | 200  | 250  | 300  |
| 1) Backwash              | Litres | 110 | 150 | 210 | 380  | 270  | 380  | 570  |
| 2) Brining + Slow Rinse  | Litres | 180 | 230 | 220 | 300  | 460  | 460  | 430  |
| 3) Fast Rinse            | Litres | 130 | 190 | 380 | 380  | 370  | 530  | 800  |
| Salt Consumption         | Total  | 420 | 570 | 810 | 1060 | 1100 | 1370 | 1800 |

