

FEATURES

- 50 L Duplex Commercial Water Softener
- High quality resin vessel
- Resin 'traps' the calcium ions, or limescale, from solution and exchanges them for ions of sodium. Regeneration by drawing a solution of salt and water (or more commonly known as 'brine')
- During regeneration the calcium ions are then released from the resin and exchanged again with those of sodium from the brine
- Unwanted ions are flushed to drain
- Regeneration takes between 60 to 180 minutes, depending upon the size of softener and can be repeated as often as necessary

RS PRO 50L Duplex Commercial Water Softener

RS Stock No: 897-7107



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

Try this blue water softener from our trusted RS PRO range for when you need to prevent limescale from building up, improve your system efficiency and protect your appliances. This duplex water softener is made of two high-quality resin vessels that alternate service, so you'll still be able to use it when one vessel needs to be regenerated. As water passes through, the resin filters calcium ions and limescale and exchanges them for sodium ions, ensuring your water is soft and free from limescale.

This ion exchange is one of the most in-demand technologies for treating hard water nowadays. Unit provides a continuous supply of soft water and is particularly suitable for applications with variable or inconsistent water usage. You can see water softeners like this one commonly used with dishwashers, washing machines and autoclaves in hospitals, hotels, restaurants as well as commercial kitchens.

Specifications

| | |
|----------------|------|
| Litres | 50L |
| Metered | Yes |
| Colour | Blue |

Dimensions

| | |
|----------------------------------|-----------------|
| Vessel Size | Ø10" x 54" high |
| Brine tank size: | 1040mm x Ø480mm |
| Total Height: | 1540mm |
| Riser tube size: | 1 in |
| Inlet/ Outlet Connections | 3/4" BSP female |
| Drain Connections | ½" BSP |

Regeneration

| | |
|---|------------|
| Service flow rate at 1 Bar pressure drop | 2.00 m³/hr |
| Capacity between regenerations at 300ppm | 8350 L |
| Brine Tank Capacity | 160 L |
| Meter Range | 40m³ |

Flow Rate

| | |
|------------------------------------|-----------------|
| Back wash flow rate | 9.08 litres/min |
| Slow rinse flow rate | 1.51 litres/min |
| Injector “std” | 2 |
| Brine line flow control | 0.6 |
| Regeneration time | 70 minutes |
| Brine refill volume | 18.93 L |
| Salt used per regeneration | 7 Kg |
| Water used per regeneration | 219 L |