

DS Triple System With Bypass

The system is a triple Big Blue system housing on a stainless-steel bracket using a filter containing Granular Activated Carbon (GAC) and two 20" x 4.5" filters containing high grade mixed blends of special Demineralizing Resins.

The stainless-steel bracket allows easy mounting onto a platform trolley, hand-cart or collapsible trolley for further portability to/from and around wash sites.

Replacement cartridges are available or you can refill the cartridges with loose carbon and resin, which makes this a very economical system to maintain. To replace the carbon / resin, simply undo the blue housings and remove the refillable cartridge inside. Un-screw the top cap off the cartridge and empty out the old media, then wash out the cartridges before refilling with new media.

The carbon cartridge takes approximately 2kg of GAC to fill.

Each resin cartridge takes approximately 3.8L of Mixed bed resin to fill. (7.6L in total)

This system can produce superior Distilled water compared to bottled grade Distilled Water and even Reverse-Osmosis water which both still have a TDS reading around 5ppm in the bottle.

To extend the resin life use unfiltered water (Bypass) on the initial wet down and washing of dirty areas. Then switch over to the TDS free water for your final rinse. When using a hose just a quick rinse running the TDS free water over entire the job will extend the life of the Demineralizing Resin. To run the TDS free water over the average car should only take less than 2 minutes. If using a pressure cleaner as the final spot free rinse, we recommend using a small flow rate pressure cleaner around 10 LPM to conserve water usage and extend the resin life.

For spot free rinse the resin is normally replaced when you get a reading of 8-10 ppm or higher or when spotting starts to appear depending on your application.

Resin life and flow rates will depend on local water conditions and volume of water used.

Flushing new filters.

1. Initially, install the Carbon Filter only. Make sure the flat white rubber top cartridge seals are in place and the black rubber housing O-rings are in on top of the blue sumps before screwing the blue sumps back up. Firmly hand tighten the large blue housing sumps. The white opening tool is only used for un doing the blue sumps if required.
2. Turn the Spot free lever tap to the ON position.
3. Run the system for roughly 2 minutes or until water runs clear, this helps to flush away any carbon fines from inside the filter
4. Install the 2 resin filters
5. With the S/S line connected to the system, turn the Spot free lever tap to the ON position to remove any air from the system.
6. Turn off the incoming water supply to the system and let the resin saturate for 5 minutes before flushing the new TDS resin cartridges for 2 minutes or until water is runs clear.

The system is now ready to use. You only need to do the flushing when you install new filters.

How to use.

For normal unfiltered tap water for wash downs turn the lever ball valve handle to 'Bypass'

For Spot free rinse water turn the by-pass tap handle so it is in the ON position.

To extend the resin life use unfiltered water on the initial wet down and washing of dirty areas. Then switch over to the TDS free water for your final rinse. When using a hose just a quick rinse running the TDS free water over entire the job will extend the life of the Demineralizing Resin. To run the TDS free water over the average car should only take less than 2 minutes. If using a pressure clean as the final spot free rinse, we recommend using a small flow rate pressure cleaner to conserve water usage and extend the resin life.

This system can produce superior water compared to bottled grade Distilled Water and even Reverse-Osmosis water which both still have a TDS reading around 5ppm in the bottle. Making this ideal for refilling batteries in machinery and golf carts etc..

Triple TDS Bypass



Fittings

LHS



- 1 x 3/4" 3 way Ball Valve 'T' Configuration
- 2 x 3/4" Nipple
- 1 x 3/4" F Elbow
- 1 x C Bracket + 2 x Bolt + Nut
- 1 x 3/4" MxF Filling w/ 1/4" F Port
- 1 x 1/4" T x 1/4" M BSP
- 1 x 1" x 3/4" Nipple
- 1 x 3/4" x 1/4" Bush
- 1 x 1/4" POH Fitting

Top



- 2 x ¾" x 300mm S/S Megaflow
- 2 x ¾" Nipple
- 1 x ¾" Socket

RHS



- 1 x 3/4" Tee
- 3 x 3/4" Nipple
- 1 x 3/4" F Elbow
- 1 x C Bracket + 2 x Bolt + Nut
- 1 x 3/4" MxF Filling w/ 1/4" F Port
- 1 x 1/4" T x 1/4" M BSP
- 1 x SP20 Check Valve
- 1 x 1" x 3/4" Nipple
- 1 x 3/4" x 1/4" Bush
- 1 x 1/4" POH Fitting