



**TRIPLE BIG BLUE SPOT FREE  
CAR DETAILING SYSTEM**  
*WITH BYPASS*

**USER MANUAL**

 02 6646 8565

  @clarencewaterfilters

[WWW.CLARENCEWATERFILTERS.COM.AU](http://WWW.CLARENCEWATERFILTERS.COM.AU)

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# ABOUT US

Clarence Water Filters is a family-owned business based in sunny Yamba, NSW.

In business for over 20 years, we have sent thousands of water filtration systems and replacement water filters to customers Australia-wide.

Clarence Water Filters employs local staff members and works in partnership with dozens of other Australian small businesses. So when you buy products from us, you are supporting a small, family owned, Aussie-owned business.

We aren't Amazon, Aldi, Bunnings, Coles, or Woolies — we have no shareholders or foreign investors, so all of our profits are re-invested in local families and within the Australian community.

## ***Our mission is simple***

We strive to help customers enjoy clean and safe drinking water in their homes and businesses – at an affordable price.

Our focus is quality, value, and customer care.

## **CONTACT US**

(02) 6646 8565

[sales@clarencewaterfilters.com.au](mailto:sales@clarencewaterfilters.com.au)

[www.clarencewaterfilters.com.au](http://www.clarencewaterfilters.com.au)

## ***Our Commitment to Quality***

Another one of our core beliefs is that quality matters. That's why the majority of our products are from the United States, United Kingdom, and Taiwan. Countries with high manufacturing standards.

We prefer to stock products from reputable companies that are known for making high-quality products — even if it costs us more to buy these brands.

The logic is simple. High-quality products make our customers happy. They enjoy higher quality water and reliable filtration systems. That's why they return to us whenever they need replacement filters or a new water filter system.

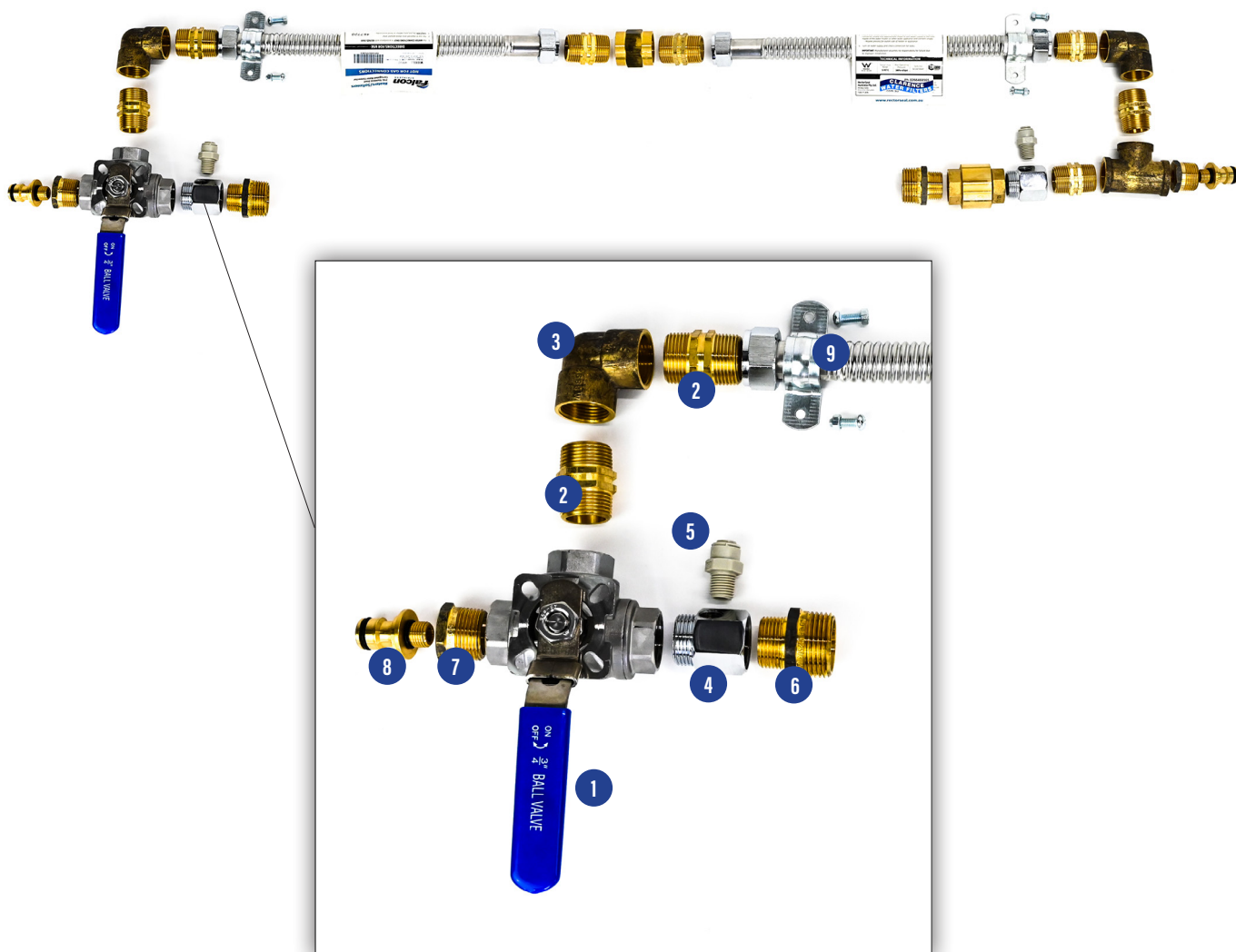
# PRODUCT FEATURES



## **TDS Components**

1. Stainless Steel Bracket
2. Housing Head
3. Housing Sump
4. Spanner
5. **Stage 1 Filter:** 20" x 4.5" Refillable GAC Carbon Filter (See p9)
6. **Stage 2 Filter:** 20" x 4.5" Refillable TDSR Mixed Bed Resin Filter (See p9)
7. **Stage 3 Filter:** 20" x 4.5" Refillable TDSR Mixed Bed Resin Filter (See p9)
8. 1" Bsp System Water Inlet
9. 1" Bsp System Water Outlet
10. Bypass (See p5-7 for details)
11. TDS Testing Meter

# BYPASS FEATURES

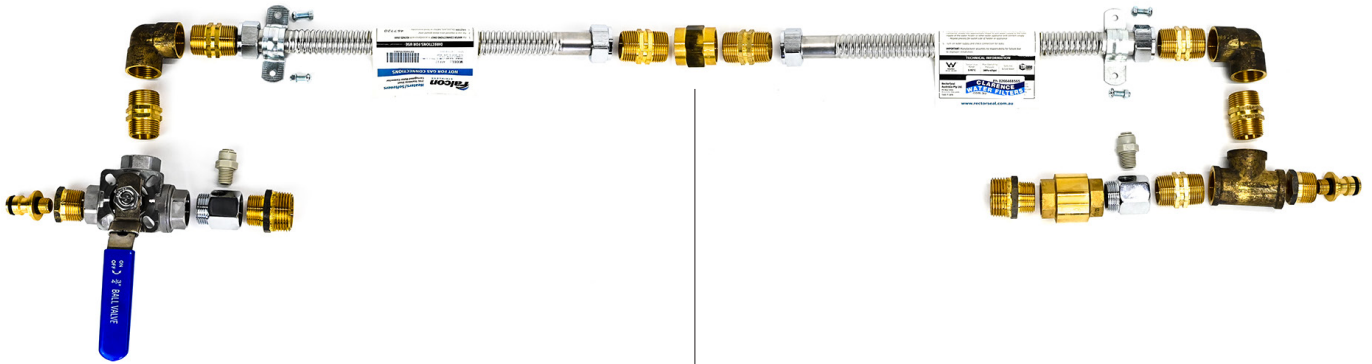


## ***Bypass Left Hand Side Components***

1. 1 x 3/4" 3 way Ball Valve 'T' Configuration
2. 2 x 3/4" Nipple
3. 1 x 3/4" Female Elbow
4. 1 x 3/4" Male x Female Fitting with 1/4" Female Port
5. 1 x 1/4" Tube x 1/4" Male BSP
6. 1 x 1" x 3/4" Nipple
7. 1 x 3/4" x 1/4" Bush
8. 1 x 1/4" POH Fitting
9. 1 x Saddle + 2 x Bolt & Nut

***Please note: All fitting require thread taping before and reassembling before use***

# BYPASS FEATURES

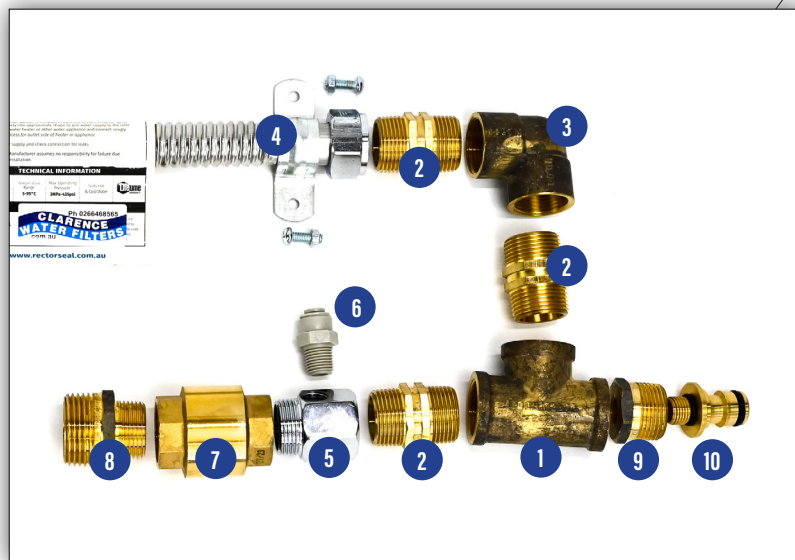


## *Bypass Top Components*

1. 2 x 3/4" x 300mm Stainless Steel Megaflow
2. 2 x 3/4" Nipple
3. 1 x 3/4" Socket

*Please note: All fitting require thread taping before and reassembling before use*

# BYPASS FEATURES



## *Bypass Right Hand Side Components*

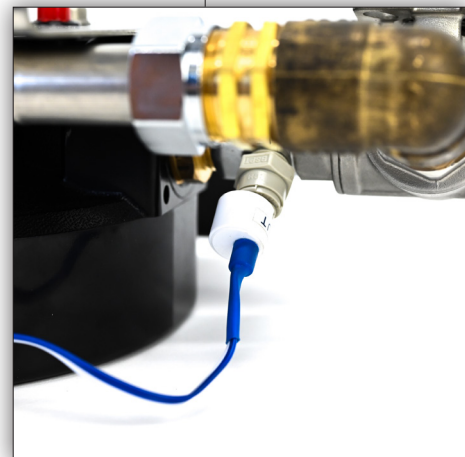
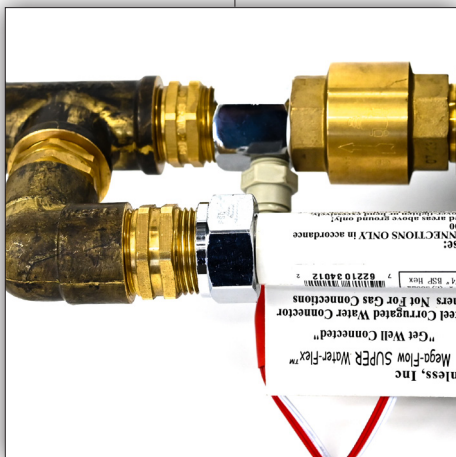
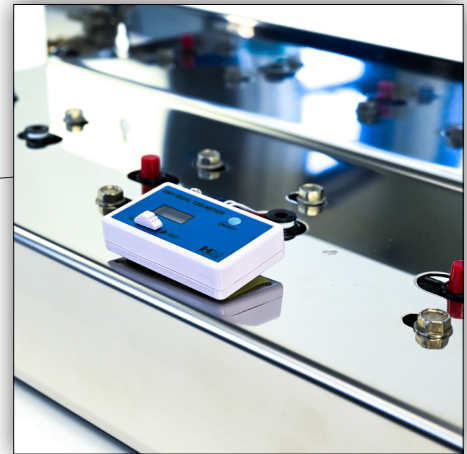
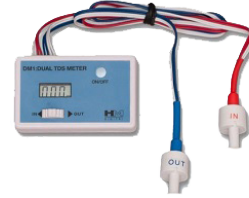
1. 1 x 3/4" Tee
2. 3 x 3/4" Nipple
3. 1 x 3/4" Female Elbow
4. 1 x Saddle + 2 x Bolt & Nuts
5. 1 x 3/4" Male x Female Fitting with 1/4" Port
6. 1 x 1/4" Tube x 1/4" Male BSP
7. 1 x SP20 Check Valve
8. 1 x 1" x 3/4" Nipple
9. 1 x 3/4" x 1/4" Bush
10. 1 x 1/4" POH Fitting

***Please note: All fitting require thread taping before and reassembling before use***

# TDS TESTING FEATURES

## Dual Reading Inline TDS Testing Meter

2 x LR44H Batteries are installed.  
The battery cover has 3 screws that need to be removed to access the batteries.





# FILTRATION STAGES

## *Filters Included With Your System*

### **Stage 1 Filter: 2045GAC Carbon Filter**

The first stage is a refillable filter cartridge which comes prefilled with Granular Activate Carbon (GAC).

This will protect your resin filters from harmful chemicals such as chlorine which can impact the resins life span.

### **Stage 2 & 3 Filter: 2045 TDSR MB Resin Filter**

The second and third stages are refillable filter cartridges which come prefilled with TDSR Mixed Bed Resin.

Mixed Bed Resin is ideal for any application where TDS need to be reduced, including spot free window cleaning and spot free car washing.

## **Replacement Filters**

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 )*

# USING YOUR SYSTEM

*\*Before using your system it is important to ensure that all fittings included are thread taped and reassembled..*

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 on the initial wet down and washing of dirty areas by turning the lever ball valve handle to 'BYPASS'. To do so you will need to lift the metal locking clip located on the lever.

Then switch over to the TDS free water for your final rinse by turning the level ball valve handle to the 'ON' position. A quick rinse with TDS free water over the entire 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 5 LPM to conserve water usage and extend the resin life.

The resin is normally replaced when you receive 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.



# REPLACING YOUR FILTERS

Reordering your filters is as simple as scanning the QR code on your system or visiting [www.clarencewaterfilters.com.au](http://www.clarencewaterfilters.com.au) Replacement filters can also be ordered by contacting our friendly sales team on (02) 66468565.

Replacing your filters is a simple procedure that you does not require a plumber. Follow the instructions below to safely and successfully change your filters

## ***Replacing & Flushing Your 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.
7. The system is now ready to use. You only need to do the flushing when you install new filters.

# REPLACING YOUR FILTERS

## ***Opening & Cleaning Your System***

1. Turn off the water supply to the system, release the water pressure in the pipes by opening the first tap after the filters and leave it turned on.
2. Use the housing spanner to undo the sumps, turning from RIGHT to the LEFT.
3. Remove the dirty filters and using a bottle brush, clean the housing sumps & head, then rinse with clean water.
4. Using a clean cloth or paper towel, wipe around the O-ring seal and where it seats. Before replacing the O-ring, use a small amount of food grade silicone grease to keep the O-ring supple and provide a watertight seal (vegetable or cooking oil will do the same job – do not use petroleum based lubricants).
5. Only hand tighten the housing sumps – do not use the spanner – then wipe dry with a clean cloth.

# THANK YOU!

We would like to thank you for supporting our small family business and hope that we can continue to provide you with your water filtration products.

We value your feedback so if you have any questions or concerns please don't hesitate to get in touch with our friendly team.

Google reviews are important to us! If you have been happy with your experience we'd love to hear from you. Scan the QR Code to leave us a review.



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