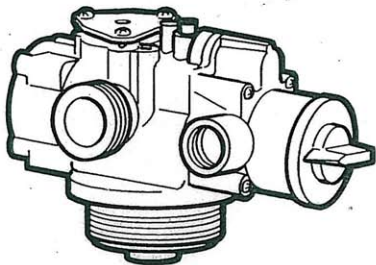
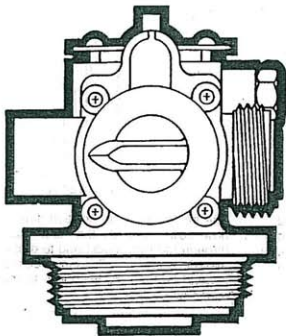


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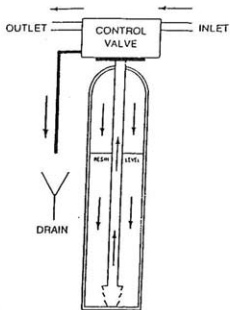
WATER CONDITIONING
CONTROLS

542-030 VALVE



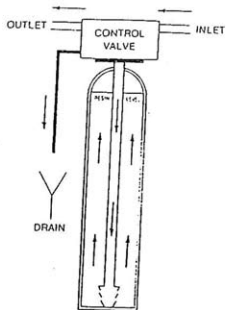
SERVICE MANUAL

Cycle Flow Diagrams



SERVICE

The service cycle position directs untreated water to flow down through the filter media in the mineral tank and up through the riser tube. The water is conditioned when passing through the media.



BACKWASH

The backwash cycle position directs water to flow down through the riser tube and up through the filter media and to drain. Foreign material and media fines are flushed from the mineral tank during this cycle to prepare the media for filtering.

Freshwater Water Systems Australia P/L

Whole of House Carbon Filters

This filter is designed for use with water supplies which have low to medium levels of organics and chemical compounds.

The purpose of this unit is to reduce the level of these foulants in the water supply.

It is critical that this unit be backwashed regularly. In domestic mains water situations at least once per fortnight is normal.

Ensure that the drain line has been run to a gully trap or drain.

Flush to drain and backwash thoroughly before first use.

Semi-Automatic Units: Backwashing is carried out by turning on the backwash valve (which is connected to the top control of valve). After one to two minutes timer can be switch off. Repeat if backwash water is dirty.

Fully-Automatic Units: Follow set up procedure in valve operating manual.

Preventitive Maintenance: Media should be changed approximately every 2 years and you should contact your local dealer to have this arranged.

Assembly:

1. Cut the top of the distributor tube 1/2 inch below the top of the resin tank threads.
2. Chamfer the top of the tube to prepare it for insertion into the control valve.
3. Verify that the control is equipped with the correct tank o-ring and injector type.
4. Install the control valve onto the distributor tube.
5. Grip the control valve body and turn control into the resin tank.

Installation:

General Information

1. When facing the front of the control the inlet is to the right and the outlet is to the left.
2. The system pressure must be between 20 psi and 120 psi.
3. If the system pressure is greater than 120 psi a pressure reducing valve must be installed.
4. The unit must be installed in accordance with local codes.
5. Do not over tighten connections.

Drain Line Connection

1. The drain line I.D. must be at least 1/2 inch.
2. Teflon tape should be used when installing the drain fitting into the control valve.
3. The drain line must be free of kinks.

Fitting Kit Connection

1. DO NOT use Teflon tape when connecting the fitting kits to the control valve.
2. If the fitting kit provides a sweat connection, care must be taken to prevent the Noryl nut from melting.
3. Place a wet rag over the copper tube and the Noryl nut prior to heating the tube.

Start Up:

1. Insure that the bypass is secured in the "bypass" position.
2. Verify that the control valve is in the service position.
3. Open all plumbing connections to allow the free flow of water to the unit.
4. Slowly shift the bypass valve to the service position.
5. Allow the water to completely fill the resin tank.
6. Open a tap and allow the water to run until all of the air is removed from the system.
7. Once all of the air is removed, close the tap.
8. Manually advance the control valve to the Backwash position and allow water to flow to drain. *
9. Manually return the control valve back to the service position.

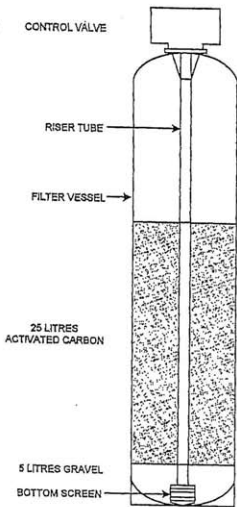
* Note: The timer knob must be turned past the 20 minute selection on the time dial to ensure proper transfer to the backwash cycle.

Operation:

1. To initiate a backwash, turn the twist timer knob to the desired time.
2. Be sure to turn the timer past the 20 minute mark before setting.

FRESHWATER SYSTEMS
CARBON FILTER 9" DIA. X 48" HIGH
MEDIA REPLACEMENT

- DISCONNECT INLET AND OUTLET PIPEWORK AND DRAIN FITTING
- SCREW CONTROL VALVE OFF TANK
- POUR OLD CARBON AND GRAVEL OUT OF VESSEL AND DISCARD
- REMOVE RISER TUBE AND CLEAN THOROUGHLY
- RINSE VESSEL
- PLACE RISER TUBE IN CLEAN VESSEL ENSURING THAT BOTTOM SCREEN SITS IN CENTER OF VESSEL
- COVER TOP OF RISER TUBE SO THAT NO MEDIA ENTERS TUBE
- ADD GRAVEL AND CARBON AS SHOWN
- SCREW CONTROL VALVE ON TO VESSEL AND RECONNECT PIPEWORK
- RINSE FILTER TO DRAIN AND BACWASH TO REMOVE CARBON FINES BEFORE PUTTING INTO SERVICE



UNIT SHOULD BE PLACED ON A SOLID FLAT SURFACE

WATER CONNECTIONS (3/4") IN ON RIGHT AND OUT ON LEFT.

DRAIN CONNECTION (1/2")

FLUSH AND BACKWASH THOROUGHLY BEFORE FIRST USE.

TO BACKWASH TURN TIMER ON AND ALLOW TO RUN TO DRAIN FOR 2-3 MINUTES, THEN TURN TIMER OFF.

SUGGESTED BACKWASH FREQUENCY 2 WEEKS

DRAIN WATER CAN RUN TO SEWER OR ON TO GARDEN.

