

- Make sure the filters are free flowing, if they become clogged you must replace them.
- Replace filters when needed, generally twice a year, depending on water use, quality, conditions and pressure drop.
- Water condition and GPM determines need (hard water areas of the country may require more frequent replacements).
- Replace resin filter every 150 to 200 gallons of processed fluid (up to 20 grains), above 20 grains hardness to be determined (will vary based on equipment operating conditions, water quality in different areas of country. Manufactures suggest equipment owners replace resin filters more frequently until they have established appropriate usage and time tables).

FILTER REPLACEMENT

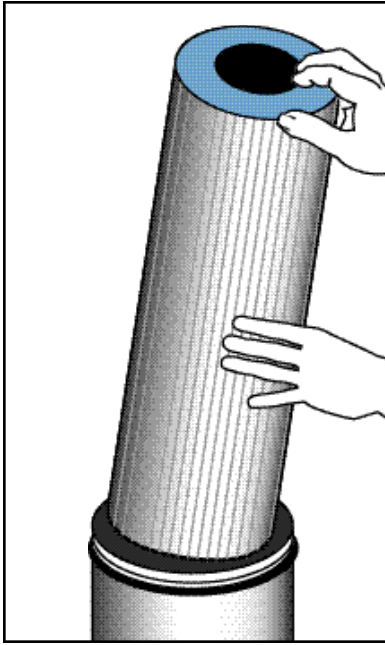
When pressure readings reach or pressure drops to undesirable levels it is time to replace your filters.

1. Shut down system before performing any maintenance.
2. Turn off water supply to system.
3. Depress pressure release button to relieve pressure in filter housing(s).
4. Unscrew housing using spanner wrench (shipped with system).
NOTE: When opening filter housing to change cartridge, it is common for O-Ring/Gasket to lift out of housing and stick to cap (remove carefully.)
5. Remove used cartridge and discard. Rinse out housing with about 1/3 full of water. Add about 2 to 3 tablespoons of bleach and scrub thoroughly with brush or sponge. Rinse thoroughly.
6. Remove O-ring/Gasket from housing and wipe groove and O-ring/Gasket clean. Lubricate O-ring/Gasket with a coating of clean food grade silicone grease. Place O-ring/Gasket back in place and press O-ring down into groove with two fingers (or place gasket on rim of sump housing).
NOTE: This step is important to ensure proper seal. Make sure O-ring is seated level in the groove (or gasket is on rim of sump (housing)).
CAUTION: If O-ring/Gasket appears damaged or crimped it should be replaced at this time, contact your distributor for replacement parts.
7. Insert the new cartridges into the sump (filter housing) making sure that it slips down into the housing.
8. Screw the sump (housing) onto the cap and hand tighten (**DO NOT OVER TIGHTEN**).
9. Turn on the water supply slowly to allow system to fill with water (check for leaks).
10. Depress the pressure release button to release trapped air from filter.
11. Restart system

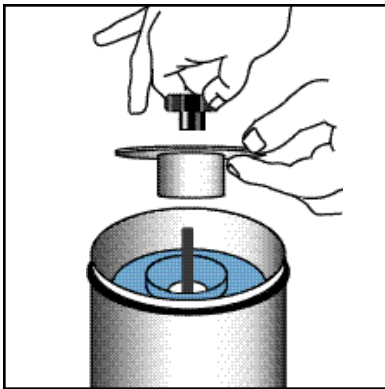


Review the application and installation manuals shipped with system

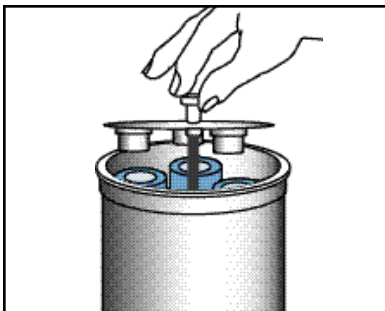




Single Cartridge Filter Housings
Cartridges fit and seal properly in filter housings.



Single Cartridge Filter Housings
Adjustable compression cap provides superior sealing at both cartridge ends.



Multi-Cartridge Models
Adjustable top plate accepts variable length cartridges.

Service Instructions For Cartridge Filter Housings

Initial Cartridge Installation

Remove lid from housing. Remove compression cap from standpipe. Slide cartridge onto standpipe (with threads at top) until cartridge seals around machined coupling and seals on stand-off ring. Replace compression cap and tighten securely. Check gasket each time lid is replaced to make sure it is not worn or damaged. Replace lid and prepare filter for operation.

Cartridge Change-Out

1. Shut off water & release pressure
2. Close inlet valve. Open bottom of drain plug or drain valve so filter will start to drain.
3. Remove top vent plug so filter can complete drain.
4. When filter is drained, loosen cover clamp nut and remove T-bolt from retainer ring. Remove cover.
5. Loosen and remove compression cap using handle provided.
6. Remove filter cartridge.
7. Replace filter cartridge, making sure it seals on machined coupler and stand-off ring.
8. Replace compression cap and tighten securely.
9. Replace lid making sure the edge of the lid is aligned with bottom flange on filter housing.
10. Position the T-bolt and tighten clamp nut. **A gap of about 1/2" should remain between clamp ends.**
11. Replace drain plug or close drain valve.
12. With water on, open inlet valve slowly. Allow top vent to remain open until a steady stream of liquid comes out of vent. Replace vent plug. Check for leaks. If leaks appear, close inlet valve, relieve pressure by opening drain and repeat steps above.

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