

Installation Instructions for Sediment Filters

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Step 1: It is recommended that the clear cover be removed from the PVC body prior to the gluing process, as any excess glue that comes in contact with the clear cover will damage it, voiding the warranty.

Step 2: The filter should be installed in a location that protects it from damage. Potential filter damage considerations should include impact, freeze, excessive heat, chemical contact and water hammer.

Step 3: Install the filter in the preferred vertical position with purge outlet pointing down. However, the filter will work in the horizontal position if unable to be installed in the vertical position.

Step 4: The filter should be installed where the filter can be accessed for proper cleaning and maintenance. Any drain line installed after the purge valve should be flexible tubing or attached with a union to avoid restricting access to filter cover during removal and screen element cleaning.

Step 5: Install the filter on the pressure side of the pump to allow the filter to be cleaned by purging collected sediment through the flush valve.

Step 6: Refer to arrows on the filter body for correct water flow direction when installing filter.

Step 7: Provide a 1-1/2" to 2" air gap between flush valve and/or tubing and any drain device.

Step 8: Adhere to all local and state codes, laws and regulations when installing filter.

Step 9: Use approved solvent cement for gluing PVC connections. Follow gluing instructions outlined on glue container.

Step 10: When installing on metallic plumbing, maintain proper electrical grounding. **Do not overtighten threaded connections (no more than two turns past finger tight).** Do not overheat filter when sweat soldering copper joints.

Sediment Filter Cleaning Instructions

Step 1: The primary method of cleaning the filter is purging separated solids through the flush valve while the filter is under system pressure. The purging process can be done manually or automated with our automatic flush valve.

Step 2: The filter element may need to be removed and cleaned. To remove the filter element, turn off the water supply, drain water pressure, unscrew the clear cover and remove the filter screen. Wash off collected sediment from the screen with water. Remove fine particles wedged in the screen by brushing with soft brush. Apply silicone grease to O-Rings if needed. Reassemble filter element and cover after cleaning. *Hand tighten only (no more than two turns past finger tight).

Sediment Filter Warning Instructions

1. The maximum water temperature in contact with filter should not exceed 100° F (38° C) at 40 PSI.
2. The maximum water pressure within the filter should not exceed 150 PSI at 73° F (23° C).
3. Water purged through PVC flush valve must be drained to a safe location. Do not use a brass or metal ball valve for the flush valve. Use PVC ball valve only.

4. **Do not use wrenches on plastic filter parts. Hand tighten only (use of tools will void warranty).** When installing the filter, follow industry wide thread tightening recommendations for plastic pipe thread connections. Manufacturers of pipe fittings recommend that plastic pipe thread joints be assembled by applying a non-hardening Teflon® thread sealant to the thread and turning the fitting one or two turns past finger tight.
5. Fluids other than water and some chemicals within water can degrade plastic water filter components. Degraded plastic filter components may lead to failure of the filter housing. Chemicals and plastic filter components should be evaluated with a chemical resistance chart and actual conditions for proper chemical compatibility.
6. Pipe thread sealant often contains chemicals that are not compatible with plastic filter components. Teflon® tape or virgin Teflon® paste should be the only pipe thread sealant used. Threaded filter connections that have O-Ring seals do not require thread sealant.
7. Lubricants used on O-Rings can contain chemicals that are not compatible with the plastic filter components. **Silicone grease (Dow111) should be the only lubricant used on O-Ring.**

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