

# Premiere SS430 / SS740 Stainless Steel Jumbo Band Clamp Filtration System – Installation & Operating Instructions

## Operating Conditions

Operating temperature	Housing operating range is 40° F - 250° F (protect from freezing). Cartridge operating temperature range varies by cartridge type. Premiere cartridges included in these systems have an operating temperature range of 40° F - 100° F unless stated otherwise.
Operating pressure	Maximum housing pressure is 150 psi. Cartridge operating pressure range varies by cartridge type. Premiere cartridges included in systems have an operating pressure range of 30 psi to 85 psi unless stated otherwise. <b>A pressure regulator is required for pressures over 75 psi.</b>
Connections	2" FNPT ports (inlet & outlet); ¼" FNPT gauge ports; ¾" MNPT drain ports
Maintenance schedule	<b>Replace filter cartridge at least once per year.</b> (Read more on page 3). Filter life may vary according to flow rate, inlet line pressure and local water conditions which may require more frequent cartridge replacement.

## Pre-Installation

**Location.** Here are some guidelines to determine where to install the water filter system:

- This system installs into the main water line, and before other water treatment such as a water softener or water heater.
- This system has two drain ports (inlet and outlet) and two gauge ports (inlet and outlet) that require connection
- Install in a place where you can easily access the system for maintenance.
- Make sure the location is a place where the system will not experience any rough contact such as heavy objects bumping or falling into it.
- Avoid direct sunlight and protect your system from extreme temperatures and weather (e.g., freezing). Preferably this system should be installed inside, or if it's outside please make sure that it is covered and protected.

**Water shut-off valve on incoming water supply (inlet) side.** (*Suggested, not required; parts not included*). For ease of installation and to allow for periodic system maintenance, a water shut-off valve on the inlet side is recommended as close to the system as possible. You will need to supply this part yourself. Please consult a plumbing professional for guidance if you wish to install a water shut-off valve on incoming water supply that is closer to the system.

**Water bypass.** (*Suggested, not required; parts not included*). To allow for periodic system maintenance, you may want to install a water bypass (also known as a water loop). A water bypass enables you to stop water flowing to/from the system, but you will continue to have water (unfiltered) to the rest of your home or application. Installing a water bypass will require additional parts and time. Please consult a plumbing professional for guidance on installing a water bypass.



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## Pre-Installation (continued from page 1)

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**Pressure regulator.** *(Required for pressure over 75 psi only; pressure regulator not included).* A pressure regulator is required for pressures over 75 psi. They are available at most home improvement stores. A pressure regulator is installed before water comes into the system.

**Union connector.** *(Suggested, not required; parts not included).* A union connects two pipes and allows for easy connection and disconnection (such as for maintenance), multiple times.

**Ball-valves.** *(Suggested, not required; parts not included).* It may be a good idea to install a ¾" ball valve in the bottom drain of the housing and/or a ¼" ball valve in the top lid (vent) . This would enable you more control with opening and closing the drain when changing filters. It will save time and effort in the future. They are available at most home improvement stores.

**Pressure gauges.** *(Suggested, not required; gauges included if you purchase this option).* This system has gauge ports which let you install a water pressure gauge on the inlet and outlet if you want. A water pressure gauge lets you monitor any pressure drops which may indicate it's time to change the cartridges in the system.

## Installation

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Shut off the main water supply. Or, if you have a water by-pass installed, shut off the water to the line that the system is going to be installed on.

Relieve pressure in the line by turning on a cold water tap/faucet downstream of where the system is to be installed.

Connect your inlet plumbing to the "IN" port on the filter system (it's the upper 2" NFPT port). You will need a 2" NMPT fitting to make the connection. Connect your outlet plumbing to the "OUT" port (it's the lower 2" NFPT port). Again, you'll need a 2" NMPT fitting to make the connection.

In the top lid (vent) install a plug or ball valve in the ¼" NFPT port.

Install plugs or pressure gauge on the ¼" NFPT ports on the side of the housing.

Install a ball valve or cap on the ¾" NMPT drain port at the bottom of the housing.

Check that the housing is fully tightened either by hand or with the wrench pin provided. Be careful to not overtighten because it could make it really difficult to unscrew next time.

Slowly turn back on the main water supply. Check all the connections on the filter system and the connections to your plumbing to ensure that there are no leaks.



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## System Maintenance

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Replace the Premiere filter cartridge at least once per year. Filter life may vary according to flow rate, inlet line pressure and local water conditions which may require more frequent cartridge replacement.

You will know it is time to replace the filter cartridge when any of these conditions apply:

- If you have water pressure gauges, when there is a 7 - 10 pound pressure drop between the inlet pressure gauge reading and the outlet pressure gauge reading
- If you do not have pressure gauges, when there is a consistent, noticeable drop in water pressure
- Always change after 1 year of use, unless experience suggests more frequent change-out

### To replace the water filter cartridges:

1. Turn off water to the system.
2. To relieve line pressure, open a cold water tap/faucet after where the system is installed
3. If you installed a ball valve in the bottom drain of your system, you can open this valve and drain the water in the unit into a bucket, floor drain, etc.  
If you did not install a ball valve in the bottom drain of your system, carefully remove the plug in the bottom drain. Make sure you have a bucket or floor drain nearby to capture the water as it may rush out very quickly.
4. Unclamp the lid on the top of the system.
5. Remove old filter cartridges.
6. Install a new cartridges.
7. Put the lid back on the housing and secure it.
8. Screw back on the drain cap in the bottom drain of your system (or close the ball valve, if applicable).
9. Make sure all connections are secure and that the housing is fully tightened, then back on turn on the water. Check for any leaks.

Premiere System	Replacement Cartridges
SS430	4 x AMF-SDR530
SS740	7 x AMF-SDR540



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