



## FRONTIER XBB20-SOFTPLUS ANTI-SCALE SYSTEM INSTALLATION MANUAL

### 1.0 BEFORE INSTALL

Congratulations you have bought one of the world's most environmentally friendly scale prevention systems. This system does not waste any water, no electricity, and no salt and no electrical valve is required. It basically converts the calcite into harmless crystals which stop scale from forming. Please read through all the instructions carefully before proceeding with the installation. Be sure to follow any special plumbing codes in your area. You can also contact your local dealer if you are having problems installing it. Diagram 1 illustrates the plumbing connections that are needed to install the system.

Please make sure that the XBB20-Softplus system is not directly exposed to the sun. The ultra violet from the sun can cause damage to the plastic housings.

**CAUTION:** DO NOT USE WITH WATER THAT IS MICROBIOLOGICALLY UNSAFE OR WITH WATER OF UNKNOWN QUALITY WITHOUT ADEQUATE DISINFECTION BEFORE OR AFTER THE SYSTEM. SYSTEM CERTIFIED FOR CYST REDUCTION MAY BE USED ON DISINFECTED WATER THAT MAY CONTAIN FILTERABLE CYSTS. PLEASE HAVE THE SYSTEM SERVICE REGULARLY EVERY 6 MONTHS.

### 2.0 SYSTEM COMPONENTS

1. Outlet fittings: 3/4" male x 1" male brass adapter.
2. 2 stage big blue housing and XC800 system with stainless steel bracket.
3. 20mm Dual check valve

XBB20 Active Soft XC-8000S Installation Diagram

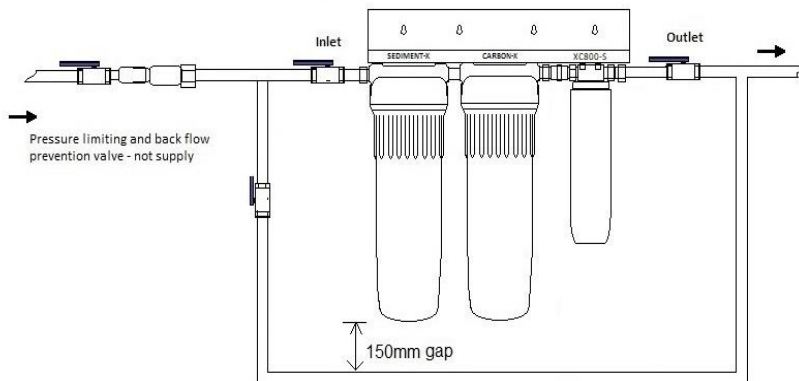


Diagram 1

### 3.0 MOUNTING THE XBB20-SOFTPLUS

XBB20-Softplus anti-scale system can be installed wall mount or on a stainless-steel stand. The system comes with 1 x 3/4" male to 1" male brass fittings.

#### 3.0.1 XBB20-SOFTPLUS Mounting instruction.

Please make sure you observe the flow direction before start the installation. Installing in the wrong flow direction can affect the system performance. There is an arrow marked on top of the cap which indicates the flow direction of the water.

**Parallel multiple XBB20-Softplus systems installation is recommended for higher flow applications. Please see the diagram below for multiple systems installation.**

**Make sure the system is installed in the right order.**

1. SEDIMENT-X is the first stage (Arrow "IN").  
Carbon-X is the second stage
2. XC800-C is the third stage. (Arrow "OUT")

Make sure the system is mounted near a water supply line.

1. Tape the 3/4" x 1" brass fittings and screw them into the "Inlet" and "Outlet" of the housings.
2. Mark screw locations at the desired positions. Use the two holes at the back of the XBB20-SOFTPLUS mounting bracket for marker guides.
3. Drill the holes into marked positions.
4. Screw the screws and leave screw heads out a little.
5. Hang XBB20-Softplus system onto screws.

**4.0 CONNECTING UP XBB20-SOFTPLUS**

Check the labeling detail on XBB20-Softplus system before connecting up the system. Installing a pressure limiting valve is strongly recommended if the pressure exceed 500kPa. It is strongly recommended that the system install with a by-pass.

1. Install the dual check after the isolation valve.
2. The first stage of the XBB20-Softplus system is marked with arrow in (SEDIMENT-X) from the left-hand side of the system. Connect the inlet to the first stage (Sediment-X) of the system.
3. Connect the outlet (XC800) to the require inlet of the water line.

**5.0 START UP PROCEDURE**

1. With everything connected, turn on water supply valve **SLOWLY**.
2. Check for leaks. (If anything is leaking shut off water, repair, then start with step 1 again.)
3. Within a few seconds the water will start to run.
4. Turn off the water supply and wait for 15 minutes. This allows the system to activate the Frontier anti-scale media.
5. Once pass 15 minutes, the system is now ready to be used.
6. Check for leaks daily in the first week and periodically thereafter.

**6.0 CARTRIDGE REPLACEMENT PROCEDURE**

Water filter cartridges need to be replaced when they are blocked, water flow is reduced or the XC800 media is used up. To replace the filter cartridge.

1. Turn OFF the water supply valve
2. Reduce the water pressure from the housings. Simply turn on any house hold taps until there is no water coming out.

**For Sediment-X and Carbon-X cartridges**

1. Please take note of the cartridges model before removing the housings. Using the filter housing wrench to unscrew the housing slowly. The housing will be heavy due to the water inside. Slowly drop down the housing.
2. Unscrew the cartridges and until the come off the housing head.
3. Clean the housing sump
4. Screw the new cartridges to the right housing cap. **DO NOT OVER TIGHTEN THE CARTRIDGES AS THEY CAN BREAK.**
5. Screw back the housing sump and use the wrench to tighten them. **DO NOT OVER TIGHTEN THE HOUSING AS IT CAN DAMAGED THE O-RINGS.**

For XC800 ANTI-SCALE CARTRIDG

1. Grab the XC800 cartridge and lift the RED lock key. Turn anti-clockwise and pull down the cartridge.
2. Insert the XC800 and turn clock-wise until the RED key is in locked position.

Twin XBB20-SOFTPLUS Installation Diagram

