

Customer Instructions for Multifamily and Commercial Properties for Connecting to Reuse Water

Overview

All eligible owners are sent a letter by Customer Service, explaining the owner's requirement to connect, and links to the connection process instructions, annual backflow testing requirements, requirements regarding the piping and types of equipment, and associated costs.

Procedures for Establishing a Reuse Water Connection:

Step 1: Obtain Plumbing Permit

The owner or their designated plumbing contractor must obtain a permit from the City of Pompano Beach Building Inspections Division (located on the 3rd floor of City Hall) for the installation of a potable water supply backflow assembly and for connection of the irrigation system to the reuse system. The plumbing permit application may be found on-line at www.pompanobeachfl.gov/ (select eServices, then click on Apply for a New Permit) or picked up at the Building Inspections Division. The completed application and fees may be brought to the Building Inspections Division at City Hall or mailed to: Building Inspections Division, 100 West Atlantic Blvd., Pompano Beach FL 33060. For more information contact (954) 786-4670. **No plumbing work, including the installation of the irrigation piping, may begin until a permit has been issued and a meter is in place.**

Step 2: Apply for Reuse Meter

The owner submits an application for a reuse meter to Customer Service (located on the 1st floor of City Hall). The application may be picked up at Customer Service. Please note that this is not the same application as the plumbing permit application. The completed application and fee may be brought to Customer Service or mailed to: Customer Service - Reuse Application, P.O. Box 1300, Pompano Beach, FL 33061. For more information contact (954) 786-4637. **No plumbing work, including the**

installation of the irrigation piping, may begin until a permit has been issued and a meter is in place.

Step 3: Install Backflow Preventer Assembly & Piping

The City Utilities Department will install a reuse meter and lock off curb stop, prior to the contractor installing a pressurized line from the reuse meter to the control valve. All new pipes installed must be the color purple (Pantone #522C). The owner or his contractor will install an approved¹ backflow prevention assembly immediately downstream from the potable water meter. A certified backflow technician needs to provide the homeowner with a copy of the Backflow Prevention Assembly Field Test Report certifying that the back flow assembly is functioning properly after installation. A copy of the certification must be attached to the assembly, along with the permit card and returned to the Building Inspections Division. After piping and the backflow assembly are installed, an inspection shall be requested by the contractor or owner.

Step 4: Call for Inspection

The contractor or the owner will request an inspection of the new backflow prevention assembly and the new irrigation supply piping, prior to covering the work. Inspections can be scheduled by contacting the City Building Inspections Division by calling (954) 786-4198 or scheduling online at www.pompanobeachfl.gov/ (select Building Division, then click on schedule an inspection).

NOTE: To schedule an inspection by telephone be sure to have the phone access code from the plumbing permit paperwork. After the Building Inspections Division approves all work, the Utilities Department will remove lock and turn on system.

¹ Device must be nationally approved, testable, in full conformance with the current standards established by the American Water Works Association, the Foundation for Cross-Connection Control and Hydraulic Research of the University of Southern California, or the American Society of Sanitary Engineering (ASSE) as well as meeting local building codes.

PLUMBER'S INSTRUCTIONS



City of Pompano Beach
Department of Development Services
Building Inspections Division

100 W. Atlantic Blvd Pompano Beach, FL 33060
Phone: 954.786.4670 Fax: 954.786.4677

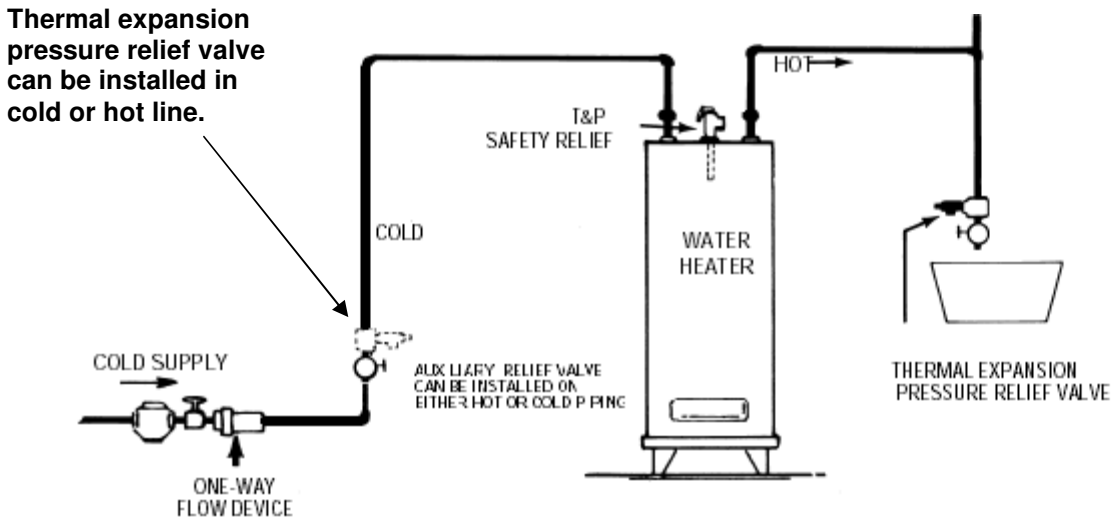
Customer Instructions for Reuse Hook Up

Connection to the City of Pompano Beach reuse water system will require the following:

- 1.) The customer must pull a Plumbing Permit for installation of a of Double Check Backflow Assembly or Reduced pressure zone assembly at the existing domestic water meter and installation of the new **PURPLE PIPE** water supply from the new reuse meter to the irrigation system piping.
- 2.) The customer must install a means of controlling thermal expansion in the water supply system, either at the water heater or at the water supply into the house. (See Detail A and B) The use of an expansion tank or a special pressure relief valve is acceptable.
- 3.) The customer must schedule inspections of all work prior to covering. Inspections must be scheduled prior to 3:30 PM and 24 hours in advance. All work must be uncovered and under working pressure for inspection. All backflow assemblies must be certified by a Certified Backflow Technician prior to final inspection.

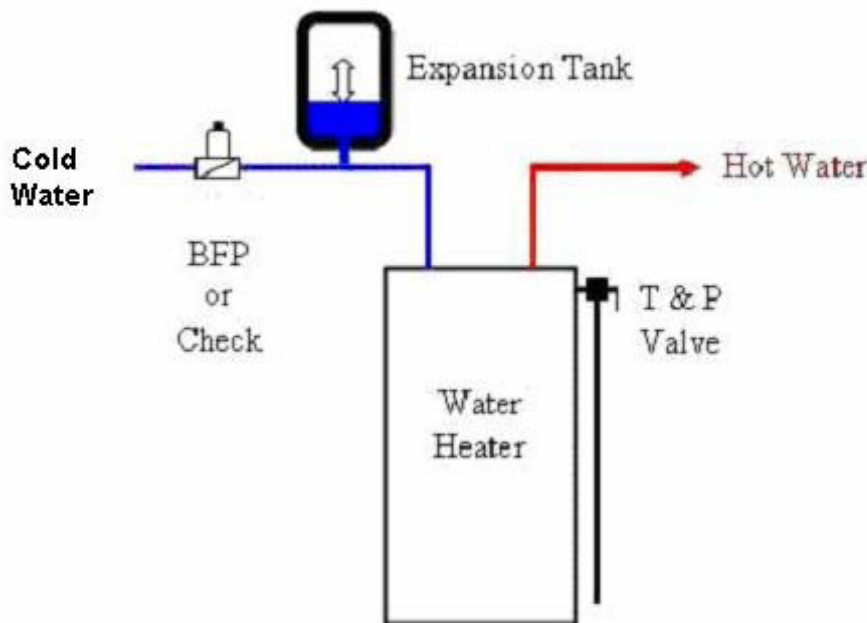
Customer Instructions for Reuse Hook Up

Detail A



The installation of a backflow prevention assembly creates a closed plumbing system. It is necessary to install a means of controlling thermal expansion in the water supply system. One method of achieving this is the installation of a pressure relief valve, as shown in Detail A, which can be set to relieve excess pressure in the system. This pressure relief valve can be installed on either the hot or cold water line but it is important to note that it should be installed in a location that will prevent damage in the event that the relief valve discharges water to relieve the excess pressure in the water supply system. Please note that this is not the same valve as the Temperature and Pressure (T & P) relief valve which is usually installed on the top of the water heater as shown above. The T & P valve is not permitted to be used as a means of controlling thermal expansion.

Detail B

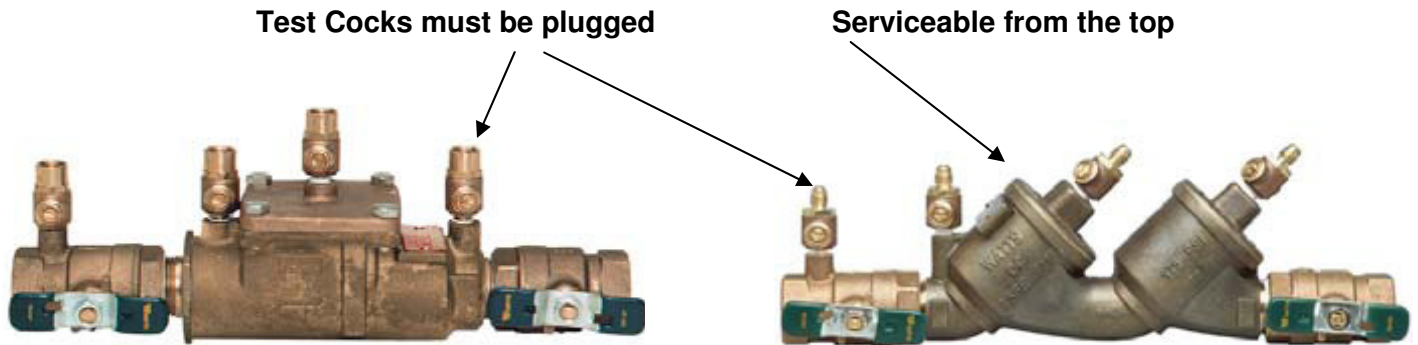


Another method of controlling thermal expansion is by the use of a thermal expansion tank. This tank must be installed on the water supply as show in Detail B. Thermal expansion tanks must be property sized and installed as per the manufactures installation instructions.

Customer Instructions for Reuse Hook Up

Due to the high risk of a cross connection between the reuse water supply and the potable water supply, Florida Department of Environmental Protection Florida Administrative Code requires the installation of a backflow prevention assembly near the public water supply meter.

If a double check valve assembly is used it is permitted to be installed below grade in a separate valve box which is provided by the customer. Because of the possibility of flooding in the valve box the double check backflow assembly test cocks must be plugged. The backflow assembly valve must also be serviceable and testable from the top.



This new double check valve assembly must be installed at least one foot away from the water meter but as close as practical to the meter. The backflow prevention assembly must be certified by a Certified Backflow Technician after it is installed and prior to the Plumbing Inspection.

A PLUMBING PERMIT IS REQUIRED PRIOR TO ISNTALLING THE NEW BACKFLOW ASSEMBLY OR THE NEW REUSE WATER CONNECTION TO THE IRRIGATION SYSTEM.

Florida Statue 489 requires that the Plumbing Permit must be pulled and the work must be performed by a licensed Plumbing Contractor. The licensed plumbing contractor must submit a competed Permit Application to the Building Department. Permit applications are available at the Building Department or online at www.mypompanobeach.org.

An exemption in FS 489 permits a homeowner to pull a permit as an Owner Builder. The property must be occupied by the homeowner, the property must not be a for sale or rent and the property owner is not permitted to hire unlicensed contractors to perform the work. An Owner Builder Affidavit attesting to these conditions must be submitted along with a Plumbing Permit application.

A Plumbing inspection must be scheduled after the new backflow is installed and prior to covering any work. Inspections must be scheduled 24 hours in advanced. Inspections scheduled after 3:30 PM will be performed two working days later. Inspections can be scheduled using the internet at www.mypompano beach.org or by calling the Building Department at 954.786.4198. You MUST have your permit number and PIN number when scheduling an inspection. The PIN number can be found on your yellow papers that you received when you picked up your permit.

The existing irrigation connection to the potable water supply must be capped and inspected by the Plumbing Inspector.

All new piping from the reuse meter to the irrigation system must be **PURPLE** in color and must be left open for inspection. The **PURPLE** piping must be under working pressure when an inspection is performed.