



# **Cross Connection Policy**

## **for the**

# **South Blount County Utility District**

### **BACKGROUND AND PURPOSE**

In order for the South Blount County Utility District to serve the public and to comply with the regulations of the Environmental Protection Agency and the Tennessee Department of Environment and Conservation and other state and federal regulations, the South Blount County Utility District must establish a cross connection policy and program to protect the public's water supply.

The Cross Connection Policy is run for the benefit of all present and future customers, and while no customer shall intentionally be treated unfairly, no customer shall be treated in a way that compromises the interests of other current and future customers.

### **LIMITATIONS**

The South Blount County Utility District is subject to various city, county, state, federal or other governmental agency requirements and has no discretion to provide service in a manner which would violate such regulations or requirements.

### **RECORD KEEPING DURATION**

All records regarding cross connections shall be kept for a period of 5 years.

### **OMISSIONS**

In the absence of specific rules or policies, the governing board in accordance with its usual and customary practices shall make the disposition of situations involving service.

## Cross Connection Policy for the South Blount County Utility District

This *Cross Connection Policy* sets forth uniform requirements for the protection of the public water system for the South Blount County Utility District from possible contamination, and enable the South Blount County Utility District to comply with all applicable local, State and Federal laws, regulations, standards or requirements, including the Safe Drinking Water Act of 1996, TCA 68-221-701 to 68-221-720 and the Rules and Regulations for Public Water Systems and Drinking Water Quality issued by the Tennessee Department of Environment and Conservation, Division of Water Supply.

### **Objectives.**

The objectives of this policy are to:

- (1) To protect the public potable water system of South Blount County Utility District from the possibility of contamination or pollution by isolating within the customer's internal distribution system, such contaminants or pollutants that could backflow or back siphon into the public water system;
- (2) To promote the elimination or control of existing cross connections, actual or potential, between the customer's in-house potable water system and non-potable water systems, plumbing fixtures, and industrial piping systems;
- (3) To provide for the maintenance of a continuing program of cross connection control that will systematically and effectively prevent the contamination or pollution of all potable water systems.

### **Definitions.**

**The following words, terms and phrases shall have the meanings ascribed to them in this section, when used in the interpretation and enforcement of this article:**

- (1) **Air-gap** shall mean a vertical, physical separation between a water supply and the overflow rim of a non-pressurized receiving vessel. An approved air-gap separation shall be at least twice the inside diameter of the water supply line, but in no case less than two (2") inches. Where a discharge line serves as receiver, the air-gap shall be at least twice the diameter of the discharge line, but not less than two (2") inches.
- (2) **Atmospheric vacuum breaker** shall mean a device, which prevents backsiphonage by creating an atmospheric vent when there is either a negative pressure or sub-atmospheric pressure in the water system.
- (3) **Auxiliary intake** shall mean any water supply, on or available to premises, other than that directly supplied by the public water system. These auxiliary waters may include water from another purveyor's public water system; any natural source, such as a well, spring, river, stream, and so forth; used, reclaimed or recycled waters; or industrial fluids.
- (4) **Backflow** shall mean the undesirable reversal of the intended direction of flow in a potable water distribution system as a result of a cross connection.
- (5) **Backpressure** shall mean any elevation of pressure in the downstream piping system (caused by pump, elevated tank or piping, steam and/or air pressure) above the water supply pressure at the point which would cause, or tend to cause, a reversal of the normal direction of flow.
- (6) **Backsiphonage** shall mean the flow of water or other liquids, mixtures or substances into the potable water system from any source other than its intended source, caused by the reduction of pressure in the potable water system.
- (7) **Bypass** shall mean any system of piping or other arrangement whereby water from the public water system can be diverted around a backflow prevention device.

## Cross Connection Policy for the South Blount County Utility District

(8) **Cross connection** shall mean any physical connection or potential connection whereby the public water system is connected, directly or indirectly, with any other water supply system, sewer, drain, conduit, pool, storage reservoir, plumbing fixture or other waste or liquid of unknown or unsafe quality, which may be capable of imparting contamination to the public water system as a result of backflow or backsiphonage. Bypass arrangements, jumper connections, removable sections, swivel or changeover devices, through which or because of which backflow could occur, are considered to be cross connections.

(9) **Double check valve assembly** shall mean an assembly of two (2) independently operating, approved check valves with tightly closing resilient seated shut-off valves on each side of the check valves, fitted with properly located resilient seated test cocks for testing each check valve.

(10) **Double check detector assembly** shall mean an assembly of two (2) independently operating, approved check valves with an approved water meter (protected by another double check valve assembly) connected across the check valves, with tightly closing resilient seated shut-off valves on each side of the check valves, fitted with properly located resilient seated test cocks for testing each part of the assembly.

(11) **Fire protection systems** shall be classified in six different classes in accordance with *AWWA Manual M14 - Second Edition 1990*. The six classes are as follows:

**Class 1** shall be those with direct connections from public water mains only; no pumps, tanks or reservoirs; no physical connection from other water supplies; no antifreeze or other additives of any kind; all sprinkler drains discharging to the atmosphere, dry wells or other safe outlets.

**Class 2** shall be the same as **Class 1**, except that booster pumps may be installed in the connections from the street mains.

**Class 3** shall be those with direct connection from public water supply mains, plus one or more of the following: elevated storage tanks, fire pumps taking suction from above ground covered reservoirs or tanks, and/or pressure tanks (all storage facilities are filled from or connected to public water only, and the water in the tanks is to be maintained in a potable condition).

**Class 4** shall be those with direct connection from the public water supply mains, similar to **Class 1** and **Class 2**, with an auxiliary water supply dedicated to fire department use and available to the premises, such as an auxiliary supply located within 1700 ft. of the pumper connection.

**Class 5** shall be those directly supplied from public water mains and interconnected with auxiliary supplies, such as pumps taking suction from reservoirs exposed to contamination, or rivers and ponds; driven wells; mills or other industrial water systems; or where antifreeze or other additives are used.

**Class 6** shall be those with combined industrial and fire protection systems supplied from the public water mains only, with or without gravity storage or pump suction tanks.

(12) **Interconnection** shall mean any system of piping or other arrangements whereby the public water supply is connected directly with a sewer, drain, conduit, pool, storage reservoir, or other device, which does or may contain sewage or other waste or liquid which would be capable of imparting contamination to the public water system.

(13) **Person** shall mean any and all persons, natural or artificial, including any individual, firm or association, and any municipal or private corporation organized or existing under the laws of this or any other state or country.

## Cross Connection Policy for the South Blount County Utility District

(14) **Potable water** shall mean water, which meets the criteria of the Tennessee Department of Environment and Conservation and the United States Environmental Protection Agency for human consumption.

(15) **Pressure vacuum breaker** shall mean an assembly consisting of a device containing one (1) or two (2) independently operating spring loaded check valves and an independently operating spring loaded air inlet valve located on the discharge side of the check valve(s), with tightly closing shut-off valves on each side of the check valves and properly located test cocks for the testing of the check valves and relief valve.

(16) **Public water supply** shall mean the South Blount County Utility District water system, which furnishes potable water to the public for general use and which is recognized as the public water supply by the Tennessee Department of Environment and Conservation.

(17) **Reduced pressure principle backflow prevention device** shall mean an assembly consisting of two (2) independently operating approved check valves with an automatically operating differential relief valve located between the two check valves, tightly closing resilient seated shut-off valves, plus properly located resilient seated test cocks for the testing of the check valves and the relief valve.

(18) **Manager** shall mean the Manager of the South Blount County Utility District or his duly authorized deputy, agent or representative.

(19) **Water system** shall be considered as made up of two (2) parts, the utility system and the customer system.

- a. The utility system shall consist of the facilities for the storage and distribution of water and shall include all those facilities of the water system under the complete control of the utility system, up to the point where the customer's system begins (i.e. the water meter);
- b. The customer system shall include those parts of the facilities beyond the termination of the utility system distribution system that are utilized in conveying domestic water to points of use.

### **Compliance with T.C.A.**

The South Blount County Utility District shall be responsible for the protection of the public water system from contamination or pollution due to the backflow of contaminants through the water service connection. The South Blount County Utility District shall comply with Section 68-221-711 of the Tennessee Code Annotated, as well as the Rules and Regulations for Public Water Systems and Drinking Water Quality, legally adopted in accordance with this Code, which pertain to cross connections, auxiliary intakes, bypasses and interconnections; and shall establish an effective, on-going program to control these undesirable water uses.

### **Regulated**

(1) No water service connection to any premises shall be installed or maintained by the South Blount County Utility District unless the water supply system is protected as required by state laws and this policy. Service of water to any premises shall be discontinued by the South Blount County Utility District if a backflow prevention device required by this policy is not installed, tested, and/or maintained; or if it is found that a backflow prevention device has been removed, bypassed, or if an unprotected cross connection exists on the premises. Service shall not be restored until such conditions or defects are corrected.

(2) It shall be unlawful for any person to cause a cross connection to be made or allow one to exist for any purpose whatsoever unless the construction and operation of same have been approved by the Tennessee Department of Environment and Conservation, and the operation of such cross connection is at all times under the direction of the manager of the South Blount County Utility District.

## Cross Connection Policy for the South Blount County Utility District

(3) If, in the judgment of the manager or his designated agent, an approved backflow prevention device is required at the water service connection to a customer's premises, or at any point(s) within the premises, to protect the potable water supply, the manager shall compel the installation, testing and maintenance of the required backflow prevention device(s) at the customer's expense.

(4) An approved backflow prevention device shall be installed on each water service line to a customer's premises at or near the property line or immediately inside the building being served; but in all cases, before the first branch line leading off the service line.

(5) For new installations, the manager or his designated agent shall inspect the site and/or review plans in order to assess the degree of hazard and to determine the type of backflow prevention device, if any, that will be required, and to notify the owners in writing of the required device and installation criteria. All commercial properties are required to have backflow prevention devices. All required devices shall be installed and operational prior to the initiation of water service.

(6) For existing premises, personnel from the South Blount County Utility District shall conduct inspections and evaluations, and shall require correction of violations in accordance with the provisions of this policy.

### **Permit Required**

#### **New Installations**

No installation, alteration, or change shall be made to any backflow prevention device connected to the public water supply for water service, fire protection or any other purpose without first contacting the South Blount County Utility District for approval.

#### **Existing Installations**

No alteration, repair, testing or change shall be made of any existing backflow prevention device connected to the public water supply for water service, fire protection or any other purpose without first securing the appropriate approval from the South Blount County Utility District.

### **Inspections**

(1) The manager or his designated agent shall inspect all properties served by the public water supply where cross connections with the public water supply are deemed possible. The frequency of inspections and re-inspection shall be based on potential health hazards involved, and shall be established by the South Blount County Utility District in accordance with guidelines acceptable to the Tennessee Department of Environment and Conservation.

#### **Right of Entry for Inspections**

(2) The manager or his authorized representative shall have the right to enter, at any reasonable time, any property served by a connection to the South Blount County Utility District public water system for the purpose of inspecting the piping system therein for cross connection, auxiliary intakes, bypasses or interconnections, or for the testing of backflow prevention devices. Upon request, the owner, lessee, or occupant of any property so served shall furnish any pertinent information regarding the piping system(s) on such property. The refusal of such information or refusal of access, when requested, shall be deemed evidence of the presence of cross connections, and shall be grounds for disconnection of water service.

#### **Correction of Violations**

(1) Any person found to have cross connections, auxiliary intakes, bypasses or interconnections in violation of the provisions of this policy shall be allowed a reasonable time within which to comply with the provisions of this policy. After a thorough investigation of the existing conditions and an appraisal of the time required to complete the work, the manager or his representative shall assign an appropriate amount of time, but in no case shall the time for corrective measures exceed thirty (30) days.

## Cross Connection Policy for the South Blount County Utility District

(2) Where cross connections, auxiliary intakes, bypasses or interconnections are found that constitute an extreme hazard, with the immediate possibility of contaminating the public water system, the South Blount County Utility District shall require that immediate corrective action be taken to eliminate the threat to the public water system. Expedient steps shall be taken to disconnect the public water system from the on-site piping system unless the imminent hazard is immediately corrected, subject to the right to a due process hearing upon timely request. The time allowed for preparation for a due process hearing shall be relative to the risk of hazard to the public health and may follow disconnection when the risk to the public health and safety, in the opinion of the manager, warrants disconnection prior to a due process hearing.

(3) The failure to correct conditions threatening the safety of the public water system as prohibited by this policy and Tennessee Code Annotated, Section 68-221-711, within the time limits established by the manager or his representative, shall be grounds for denial of water service. If proper protection has not been provided after a reasonable time, the manager shall give the customer legal notification that water service is to be discontinued, and shall physically separate the public water system from the customer's on-site piping in such a manner that the two systems cannot again be connected by an unauthorized person, subject to the right of a due process hearing upon timely request. The due process hearing may follow disconnection when the risk to the public health and safety, in the opinion of the manager, warrants disconnection prior to a due process hearing.

### **Required Devices**

(1) An approved backflow prevention assembly shall be installed downstream of the meter on each service line to a customer's premises at or near the property line or immediately inside the building being served, but in all cases, before the first branch line leading off the service line, when any of the following conditions exist:

- a. Impractical to provide an effective air-gap separation;
- b. The owner/occupant of the premises cannot or is not willing to demonstrate to the South Blount County Utility District that the water use and protective features of the plumbing are such as to pose no threat to the safety or potability of the water;
- c. The nature and mode of operation within premises are such that frequent alterations are made to the plumbing;
- d. There is likelihood that protective measures may be subverted, altered or disconnected;
- e. The nature of the premises is such that the use of the structure may change to a use wherein backflow prevention is required
- f. The plumbing from a private well or other water source enters the premises served by the public water system.

(2) The protective devices shall be of the reduced pressure zone type (except in the case of certain fire protection systems) approved by the Tennessee Department of Environment and Conservation and the South Blount County Utility District, as to manufacture, model, size and application. The method of installation of backflow prevention devices shall be approved by the South Blount County Utility District prior to installation and shall comply with the criteria set forth in this policy. The installation and maintenance of backflow prevention devices shall be at the expense of the owner or occupant of the premises.

(3) **Applications requiring backflow prevention devices** shall include, but shall not be limited to, all commercial properties, domestic water service and/or fire flow connections for all medical facilities, all fountains, lawn irrigation systems, wells, water softeners and other treatment systems, swimming pools and on all fire hydrant connections other than those by the fire department in combating fires. Those facilities deemed by South Blount Utility District as needing protection.

## Cross Connection Policy for the South Blount County Utility District

a. Class 1, Class 2 and Class 3 fire protection systems shall generally require a double check valve assembly; except 1) a double check detector assembly shall be required where a hydrant or other point of use exists on the system; or 2) a reduced pressure backflow prevention device shall be required where:

- i. Underground fire sprinkler lines are parallel to and within ten (10) feet horizontally of pipes carrying sewage or significantly toxic materials;
- ii. Premises have unusually complex piping systems;
- iii. Pumpers connecting to the system have corrosion inhibitors or other chemicals added to the tanks of the fire trucks.

b. Class 4, Class 5 and Class 6 fire protection systems shall require reduced pressure backflow prevention devices.

c. Wherever the fire protection system piping is not an acceptable potable water system material, or chemicals such as foam concentrates or antifreeze additives are used, a reduced pressure backflow prevention device shall be required.

(4) The manager or his representative may require additional and/or internal backflow prevention devices wherein it is deemed necessary to protect potable water supplies within the premises.

(5) **Installation Criteria** The minimum acceptable criteria for the installation of reduced pressure backflow prevention devices, double check valve assemblies or other backflow prevention devices requiring regular inspection or testing shall include the following:

(a) All required devices shall be installed in accordance with the provisions of this policy, by a person approved by the South Blount County Utility District who is knowledgeable in the proper installation. Only licensed sprinkler contractors may install or repair backflow prevention devices on fire protection systems.

(b) All devices shall be installed in accordance with the manufacturer's instructions and shall possess appropriate test cocks, fittings and caps required for the testing of the device. All fittings shall be of brass construction, unless otherwise approved by the South Blount County Utility District, and shall permit direct connection to district test equipment.

(c) The entire device, including valves and test cocks, shall be easily accessible for testing and repair.

d. All devices shall be placed in the upright position in a horizontal run of pipe.

(e) Device shall be protected from freezing, vandalism, mechanical abuse and from any corrosive, sticky, greasy, abrasive or other damaging environment.

(f) Reduced Pressure Backflow Prevention devices shall be located a minimum of twelve (12") inches plus the nominal diameter of the device above either; 1) the floor, 2) the top of opening(s) in the enclosure or) maximum flood level, whichever is higher. Maximum height above the floor surface shall not exceed sixty (60") inches.

(g) Clearance from wall surfaces or other obstructions shall be at least six (6") inches. Devices located in non-removable enclosures shall have at least twenty-four (24") inches of clearance on each side of the device for testing and repairs.

(h) Devices shall be positioned where a discharge from the relief port will not create undesirable conditions. The relief port must never be plugged, restricted or solidly piped to a drain.

(i) An approved air-gap shall separate the relief port from any drainage system. An approved air-gap shall be at least twice the inside diameter of the supply line, but never less than one (1") inch.

(j) An approved strainer shall be installed immediately upstream of the backflow prevention device, **except in the case of a fire protection system.**

(k) Devices shall be located in an area free from submergence or flood potential, therefore never in a below grade pit or vault. All devices shall be adequately supported to prevent sagging.

(l) Adequate drainage shall be provided for all devices. Reduced Pressure Backflow Prevention devices shall be drained to the outside whenever possible.

## Cross Connection Policy for the South Blount County Utility District

(m) Fire hydrant drains shall not be connected to the sewer, nor shall fire hydrants be installed such that backflow/back-siphonage through the drain may occur.

(n) Enclosures for outside installations shall meet the following criteria:

1. All enclosures for backflow prevention devices shall be as manufactured by a reputable company or an approved equal.
2. For backflow prevention devices up to and including two (2") inches, the enclosure shall be constructed of adequate material to protect the device from vandalism and freezing and shall be approved by the South Blount County Utility District. The complete assembly, including valve stems and hand wheels, shall be protected by being inside the enclosure.
3. To provide access for backflow prevention devices up to and including two (2") inches, the enclosure shall be completely removable. Access for backflow prevention devices 2-1/2" and larger shall be provided through a minimum of two access panels. The access panels shall be of the same height as the enclosure and shall be completely removable. All access panels shall be provided with built-in locks.
4. The enclosure shall be mounted to a concrete pad in no case less than four (4") inches thick. The enclosure shall be constructed, assembled and/or mounted in such a manner that it will remain locked and secured to the pad even if any outside fasteners are removed. All hardware and fasteners shall be constructed of 300 series stainless steel.
5. Heating equipment, if required, shall be designed and furnished by the manufacturer of the enclosure to maintain an interior temperature of +40°F with an outside temperature of -30°F and a wind velocity of 15 miles per hour.

(o) Where the use of water is critical to the continuance of normal operations or the protection of life, property or equipment, duplicate backflow prevention devices shall be provided to avoid the necessity of discontinuing water service to test or repair the protective device. Where it is found that only one device has been installed and the continuance of service is critical, the South Blount County Utility District shall notify, in writing, the occupant of the premises of plans to interrupt water services and arrange for a mutually acceptable time to test the device. In such cases, the South Blount County Utility District may require the installation of a duplicate device.

(p) The South Blount County Utility District shall require the occupant of the premises to keep any backflow prevention devices working properly, and to make all indicated repairs promptly. Repairs shall be made by qualified personnel acceptable to the South Blount County Utility District. Expense of such repairs shall be borne by the owner for occupant of the premises. The failure to maintain a backflow prevention device in proper working condition shall be grounds for discontinuance of water service to premises. Likewise the removal, bypassing or alteration of a backflow prevention device or the installation thereof, so as to render a device ineffective shall constitute a violation of this policy and shall be grounds for discontinuance of water service. Water service to such premises shall not be restored until the customer has corrected or eliminated such conditions or defects to the satisfaction of the South Blount County Utility District.

(6) **Testing of Devices:** Devices shall be tested at least annually by the South Blount County Utility District by a qualified person possessing a valid certification from the Tennessee Department of Environment and Conservation, Division of Water Supply for the testing of such devices. A record of this test will be on file with the South Blount County Utility District and a copy of this report will be supplied to the customer.

*There will be an annual charge for testing.*

## Cross Connection Policy for the South Blount County Utility District

### Non-potable Supplies

The potable water supply made available to a premises served by the public water system shall be protected from contamination as specified in the provisions of this policy. Any water pipe or outlet which could be used for potable or domestic purposes and which is not supplied by the potable water system must be labeled in a conspicuous manner such as:

### ***WATER UNSAFE FOR DRINKING***

The minimum acceptable sign shall have black letters at least one (1") inch high located on a red background. Color-coding of pipelines, in accordance with (OSHA) Occupational Safety and Health Act guidelines, shall be required in locations where in the judgment of the South Blount County Utility District, such coding is necessary to identify and protect the potable water supply.

### Statement Required

Any person whose premises are supplied with water from the public water system, and who also has on the same premises a well or other separate source of water supply, or who stores water in an uncovered or unsanitary storage reservoir from which the water is circulated through a piping system, shall file with the South Blount County Utility District a statement of the nonexistence of unapproved or unauthorized cross connections, auxiliary intakes, bypasses or interconnections. Such statement shall contain an agreement that no cross connections, auxiliary intakes, bypasses or interconnections will be permitted upon the premises. Such statement shall also include the location of all additional water sources utilized on the premises and how they are used. Maximum backflow protection shall be required on all public water sources supplied to the premises.

### Penalty; Discontinuance of water supply

(1) Any person who neglects or refuses to comply with any of the provisions of this policy may be deemed guilty of a misdemeanor and subject to a fine.

(2) Independent of and in addition to any fines or penalties imposed, the manager may discontinue the public water supply service to any premises upon which there is found to be a cross connection, auxiliary intake, bypass or interconnection; and service shall not be restored until such cross connection, auxiliary intake, bypass or interconnection has been eliminated.

### Provision Applicable

The requirements contained in this policy shall apply to all premises served by the South Blount County Utility District and are hereby made part of the conditions required to be met for the South Blount County Utility District to provide water services to any premises. The provisions of this policy shall be rigidly enforced since it is essential for the protection of the public water distribution system against the entrance of contamination. Any person aggrieved by the action of the policy is entitled to a due process hearing upon timely request.

## **Policy**

**Adoption Date : October 2, 2007**

**Effective Date : October 2, 2007**

**Revised Date : April 5, 2018**

## Cross Connection Policy for the South Blount County Utility District

BELOW IS A LIST OF APPROVED BACKFLOW PREVENTION DEVICES

### Double Check Valve Assemblies

Ames · · DC - 4", 6" (H)

· · DC - 8" (H)

2000B - ½" (H)

2000B - ½" (VU)

2000B - ¾" (H)

2000B - ¾" (VU)

2000B - 1" (H)

2000B - 1" (VU)

2000B - 1 ¼" (H,VU)

2000B - 1 ½" (H)

2000B - 1 ½" (VU)

2000B - 2" (H)

2000B - 2" (VU)

2000BM3 - ¾" (H,VU)

2000 CIV - 4" (H)

2000 CIV - 4" (VU)

2000 CIV - 6" (H)

2000 CIV - 8" (H)

2000 CIV - 10" (H)

2000 CIV - 6", 8", 10" (VU)

2000-DC - 10" (H)

2000-G-DC - 10" (H)

2000-DCA - 4", 6", 8" (H)

2000-G-DCA - 4", 6", 8" (H)

2000 SE - 2 ½" (H)

2000 SE - 6" (H)

2000 SE - 8" (H)

· 2000 SS - ¾", 1" (H)

· 2000 SS - 1 ¼" (H)

· 2000 SS - 1 ½", 2" (H)

2000 SS - 2 ½", 3" (H)

2000 SS - 4" (H)

2000 SS - 6" (H)

2000 SS - 8" (H)

2000 SS - 10" (H)

2000 SS-M - 4", 6" (H)

Colt 200 - 2 ½", 3", 4" (H,VU)

**Colt 200 - 8", 10" (H, VU)**

Colt 200a - 2 ½", 3", 4" (H,VU)

Colt 200a - 6" (H,VU)

Colt 200Na - 2 ½", 3", 4" (VUVD)

Colt 200Na - 6" (VUVD)

Maxim 200 - 2 ½", 3" (H,VU)

**Maxim 200 - 6", 8" (H, VU)**

Maxim 200a - 2 ½", 3" (H,VU)

Maxim 200a - 4" (H,VU)

Maxim 200Na - 2 ½", 3" (VUVD)

2

Maxim 200Na - 4" (VUVD)

ARI DC 500- ¾", 1" (H)

Beeco - See Hersey/Grinnell

Buckner · · 24100 - ¾" (H)

· · 24101 - 1" (H)

Cross Connection Policy for the South Blount County Utility District

- · 24102 - 1 ¼ " (H)
- · 24103 - 1 ½ " (H)
- · 24104 - 2" (H)
- · 24100/25 - ¾ " (H)
- · 24101/25 - 1" (H)
- · 24102/25 - 1 ¼ " (H)
- · 24103/25 - 1 ½ " (H)
- · 24104/25 - 2" (H)
- Cla-Val · D2 - 1 ¼ " , 1 ½ " (H)
- D2 – ¾ " , 1" (H)
- D4 - 2" (H)
- D4 - 2 ½ " , 3" , 4" , 6" , 8" , 10" (H)
- Conbraco ½ DC - ½ " (H,VU)
- 2 ½ DC - 2 ½ " (H,VU)
- 2 ½ DC-7 - 2 ½ " (H,VU)
- 2 ½ DC-8 - 2 ½ " (H,VU)
- 2 ½ DCU - 2 ½ "(VUVD)
- 3DC - 3" (H,VU)
- 3DC-7 - 3" (H,VU)
- 3DC-8 - 3" (H,VU)
- 3DCU - 3" (VUVD)
- 4D100 - 2½" (H)
- 4D100 - 2½" (VU)
- 4D100 - 3" (H)
- 4D100 - 3" (VU)
- 4D100 - 4" (H)
- 4D100 - 4" (VU)
- 4D100U - 2½" (VUVD)
- 4D100U - 3" (VUVD)
- 4D100U - 4" (VUVD)
- 4DC - 4" (H,VU)
- 4DC-7 - 4" (H,VU)
- 4DC-8 - 4" (H,VU)
- 4DCU - 4" (VUVD)
- 4S103– ½ " , (H, VU)
- 4SG-100 – 2 ½ " 3",4",6",8" (H, VU)
- 4SG-100U – 2 ½ " 3",4" (VUVD)
- 4SGU-100U –6",8" (VUVD)
- 6DC - 6" (H,VU)
- 6DC-7 - 6" (H,VU)
- 6DC-8 - 6" (H,VU)
- 6DCU - 6" (VUVD)
- 8DC - 8" (H,VU)
- 10DC - 10" (H,VU)
- 40-100-02 - 3" (H)
- 40-100-03 - 3" (H)
- 40-100-05 - 3" (H)
- 40-103-02 - ½ " (H)
- 40-104-02 - ¾ " (H)
- 40-104-T2- ¾ " (H)
- 40-104-A2 - ¾ " (H)
- 40-104-A2T - ¾ " (H)
- 40-104-TC2 - ¾ " (H)
- 40-105-02 - 1" (H)
- 40-105-T2- 1" (H)
- 40-105-A2 - 1" (H)

Cross Connection Policy for the South Blount County Utility District

40-105-A2T - 1" (H)  
40-105-TC2 - 1" (H)  
40-106-02 - 1 ¼" (H)  
40-106-A2 - 1 ¼" (H)  
40-106-A2T - 1 ¼" (H)  
40-106-T2 - 1 ¼" (H)  
40-107-02 - 1 ½" (H)  
40-107-A2 - 1 ½" (H)  
40-107-A2T - 1 ½" (H)  
40-107-T2 - 1 ½" (H)  
40-108-02 - 2" (H)  
40-108-A2 - 2" (H)  
3  
40-108-A2T - 2" (H)  
40-108-T2 - 2" (H)  
40-109-02 - 2 ½" (H)  
40-109-03 - 2 ½" (H)  
40-109-05 - 2 ½" (H)  
40-10A-02 - 4" (H)  
40-10A-03 - 4" (H)  
40-10A-05 - 4" (H)  
40-10A-06 - 4" (H)  
40-10C-02 - 6" (H)  
40-10C-03 - 6" (H)  
40-10C-05 - 6" (H)  
40-10C-06 - 6" (H)  
40-10E-02 - 8" (H)  
40-10E-03 - 8" (H)  
40-10E-06 - 8" (H)  
40-10G-02 - 10" (H)  
40-10G-03 - 10" (H)  
40-10G-06 - 10" (H)  
Febco · 805 - ¾", 1", 1 ½", 2" (H)  
· 805 - 3", 4" (H)  
805Y - ¾", 1" (H)  
805YR - ¾", 1" (H)  
805YB - ¾" (H)  
805YB - ¾" (VU)  
805Y - 1 ½" (H)  
805Y - 2" (H)  
· 805Y - 2 ½" (H)  
· 805Y - 3", 4" (H)  
· 805Y - 6", 8" (H)  
· 805Y - 10" (H)  
805YD - 2 ½", 3", 4", 6", 8", 10" (H)  
830H - 4" (H)  
830H - 4" (VU)  
850 - ½" (H)  
850 - ½" (VU)  
850 - ½" (VD)  
850 - ¾" (VD)  
850 - ¾" (VU)  
850 - ¾", 1", 1 ¼" (H)  
850 - 1" (VD)  
850 - 1" (VU)  
850 - 1 ¼" (VU)  
850 - 1 ¼" (VD)  
850 - 1 ½" (H)  
850 - 1 ½" (VU)

Cross Connection Policy for the South Blount County Utility District

850 - 1 ½" (VD)  
850 - 2" (H)  
850 - 2" (VD)  
850 - 2" (VU)  
850 - 2 ½", 3" (H)  
850 - 2 ½", 3" (VU)  
850 - 4", 6" (H)  
850 - 8" (H)  
850 - 4" (VU)  
850 - 6" (VU)  
850 - 8" (VU)  
850F - ¾" (H, VU, VD)  
850U - ½" (H)  
850U - ½" (VU)  
850U - ½" (VD)  
850U - ¾" (H)  
850U - ¾" (VD)  
850U - ¾" (VU)  
850U - 1" (H)  
850U - 1" (VD)  
850U - 1" (VU)  
850U - 1 ¼", 1 ½", 2" (H)  
850U - 1 ¼", 1 ½", 2" (VU)  
850U - 1 ¼" (VD)  
850U - 1 ½" (VD)  
850U - 2" (VD)  
857 - 2½", 3" (H, VU)  
870 - 2 ½", 3" (VUVD)  
870 - 4", 6" (VUVD)  
870 - 8" (VUVD)  
870 - 10" (VUVD)  
4  
870V - 2 ½", 3", 4", 6" (VUVD, VUVU)  
870V - 8" (VUVD, VUVU)  
870V - 10" (VUVD, VUVU)  
Flomatic DCV - ¾", 1" (H)  
DCV - 1 ½", 2" (H)  
DCV - 2 ½", 3" (H)  
DCV - 4" (H)  
DCV - 6" (H)  
DCV - 8" (H)  
DCVE - ¾", 1", 1 ½", 2" (H)  
Hersey/Grinnell  
2 - 3", 4" (H)  
2 - 6" (H)  
2 - 8" (H)  
2 - 10" (H)  
Neptune - see Wilkins  
Richwell - see Wilkins  
SMR - see Wilkins  
Watts 007 - 2 ½" (H)  
007 - 3" (H)  
007 - 2 ½" (VU)  
007 - 3" (VU)  
007QT - ½" (H)  
007QT - ½" (VU)  
· · 007QT - ¾", 1" (H)  
· · 007QT - 1 ½", 2" (H)  
007PCQT - ½" (H)  
· · 007PCQT - 1 ½", 2" (H)

Cross Connection Policy for the South Blount County Utility District

- · 007M1QT - ¾" (H)
- 007M1QT - 1" (H)
- 007M1QT - 1" (VU)
- · 007M1QT - 1 ½" (H)
- 007M1QT - 2" (H)
- 007M1QT - 2" (VU)
- 007M1PCQT - ¾", 1" (H)
- · 007M1PCQT - 1 ½" (H)
- 007M1PCQT - 2" (H)
- 007M2QT - ¾" (H)
- 007M2QT - ¾" (VU)
- 007M2QT - 1 ¼" (H,VU)
- 007M2PCQT - 1 ¼" (H,VU)
- 007M2QT - 1 ½" (H)
- 007M2QT - 1 ½" (VU)
- 007M2PCQT - 1 ½" (H)
- 007M3QT - ¾" (H,VU)
- LF007QT - ½" (H, VU)
- LF007M1QT - 1", 2" (H, VU)
- LF007M2QT - 1 ¼", 1 ½" (H, VU)
- LF007M3QT - ¾" (H, VU)
- · 007SSQT - ¾", 1" (H)
- 007SSQT - 1 ½", 2" (H)
- · 007SSPCQT - 1 ½", 2" (H)
- · 007SSM1QT - ¾", 1" (H)
- · 007SSM1PCQT - ¾", 1" (H)
- · 700 - 2 ½", 3" (H)
- · 709 QT - ¾", 1" (H)
- · 709 QT - 1 ½", 2" (H)
- 709 BB - 2 ½", 3" (H)
- 709 - 2 ½" (H)
- 709 - 3" (H)
- 709 - 4" (H)
- 709 - 4" (VU)
- 709 - 6" (H)
- 709 - 8" (H)
- 709 - 10" (H)
- 709 - 6", 8", 10" (VU)
- 709QT-FDA- 2 ½", 3", 4", 6", 8", 10" (H)
- 719AQT - ½", 1", 1¼", 1½", 2" (VUVD)
- 719QT - ½", ¾", 1", 1¼", 1½", 2" (H,VU,VD)
- 719QTR10 - ½", ¾" (H,VU,VD)
- 757 - 8", 10" (H, VU)
- 757a - 2 ½", 3", 4" (H,VU)
- 757a - 6" (H,VU)
- 757Na - 2 ½", 3", 4" (VUVD)
- 5
- 757Na - 6" (VUVD)
- 757 DC - 2 ½", 3", 4" (H,VU)
- 767 - 6",8" (H, VU)
- 767a - 2 ½", 3", (H,VU)
- 767a - 4" (H,VU)
- 767Na - 2 ½", 3", (VUVD)
- 767Na - 4" (VUVD)
- 767 DC - 2 ½", 3" (H,VU)
- · 770 - 4" (H)

Cross Connection Policy for the South Blount County Utility District

- • 770 - 8" (H)
- • 770 QT-FDA - 4" (H)
- • 770 QT-FDA - 8" (H)
- • 772 - 4" (H)
- • 772 - 10" (H)
- • 774 - ¾", 1" (H)
- • 774 - 1 ¼" (H)
- • 774 - 1 ½", 2" (H)
- 774 - 2 ½", 3" (H)
- 774 - 4" (H)
- 774 - 6" (H)
- 774 - 8" (H)
- 774 - 10" (H)
- 774X - 2 ½" (H)
- 774X - 6" (H)
- 774X - 8" (H)
- 775QT - 1" (H,VU)
- 775QT - ½" (H,VU)
- 775QT - ¾" (H,VU)
- 775QT - 1 ¼" (H,VU)
- 775QT - 1 ½" (H,VU)
- 775QT - 2" (H,VU)
- SS007M1QT - 1" (H,VU)
- SS007M3QT - ½" (H,VU)
- SS007M3QT - ¾" (H,VU)
- U007QT - ½" (H,VU)
- • U007QT - ¾", 1" (H)
- • U007QT - 1 ½", 2" (H)
- • U007PCQT - ¾", 1" (H)
- • U007PCQT - 1 ½", 2" (H)
- U007M1AQT - ¾", 2" (VUVD, VDVU, VUVU, VDVD)
- U007M1APCQT - ¾" (VUVD, VDVU, VUVU, VDVD)
- U007M1APCQT - 2" (VUVD, VDVU, VUVU, VDVD)
- U007M1PCQT - ¾", 1" (H)
- U007M1PCQT - 1 ½", 2" (H)
- U007M1QT - ¾", 1" (H)
- • U007M1QT - 1 ½" (H)
- U007M1QT - 2" (H)
- U007M2AQT - 1 ½" (H)
- U007M2QT - 1 ¼" (H)
- U007M2QT - 1 ½" (H)
- • U007SSQT - ¾", 1" (H)
- • U007SSQT - 1 ½", 2" (H)
- • U007SSPCQT - ¾", 1" (H)
- • U007SSPCQT - 1 ½", 2" (H)
- U719QT - ½", ¾", 1", 1¼", 1½", 2" (H,VU,VD)
- Wilkins 350A - 2½", 3", 4" (H)
- 350A - 2½", 3", 4" (VU)
- 350A - 6" (H,VU)
- 350A - 8" (H,VU)
- 350A - 10" (H,VU)
- 350 - ¾", 2 ½", 3" (H)
- 350 - ¾", 2 ½", 3" (VU)

## Cross Connection Policy for the South Blount County Utility District

350 - 4" (H)  
350 - 4" (VU)  
350 - 6" (H)  
350 - 6" (VU)  
350 - 8" (H)  
350 - 8" (VU)  
350 - 10" (H)  
350 - 10" (VU)  
350 - 12" (H)  
350XL - ¾", 1" (H,VU)  
350A - 6" (H,VU)  
450 - 2 ½" (VUVD)  
450 - 3" VUVD)  
450 - 4" (VUVD)  
450 - 6" (VUVD)  
6  
450 - 8" (VUVD)  
450 - 10" (VUVD)  
· · 550 - ¾", 1" (H)  
· · 550A - ¾", 1" (H)  
· · 550 - 1 ¼", 1 ½", 2" (H)  
· · 550 - 2 ½" (H)  
· · 550 - 3" (H)  
· · 550 - 4" (H)  
· · 550 - 6" (H)  
· · 550 - M8" (4"x4"x8" Manifold) (H)  
· · 550 - M10" (6"x6"x10" Manifold) (H)  
950 - ¾",1" (H)  
950 - 1 ¼", 1 ½", 2" (H)  
950XL - ¾",1", 1 ¼", 1 ½", 2" (H)  
950XL - ¾" (VU)  
950XLD - ¾" (H)  
950XLD - ¾" (VU)  
950XLT - ¾", 1" (H)  
950XLT - 1 ¼" (H)  
950XLT - 1 ½", 2" (H)  
950XLU - ¾", 1", 1 ½", 2" (H)  
950 - 2 ½" (H)  
950 - 3",4" (H)  
950 - 6" (H)  
950 - 8" (H)  
950 - 10" (H)  
950 - 4", 6", 8" (VU)  
950A - ¾", 1", 1 ¼", 1 ½", 2" (H)  
950XLTU - ¾", 1" (H)

### **Double Check Detector Assemblies**

Ames · · DCDC - 4", 6" (H)  
· · DCDC - 8" (H)  
3000 B- 2" (H,VU)  
3000 CIV - 4", 6" (H)  
3000 CIV - 4" (VU)  
3000 CIV - 8" (H)  
3000 CIV - 10" (H)  
3000 CIV - 6", 8", 10" (VU)  
3000-DCDC - 10" (H)  
· · 3000-G-DCDC – 10" (H)

Cross Connection Policy for the South Blount County Utility District

- 3000-DCDA - 4" (H)
- 3000-G-DCDA - 4" (H)
- 3000-DCDA - 6" (H)
- · 3000-G-DCDA - 6" (H)
- 3000-DCDA - 8" (H)
- · 3000-G-DCDA - 8" (H)
- 3000SE - 2 ½ " (H)
- 3000SE - 6" (H)
- 3000SE - 8" (H)
- 3000SE-A - 8" (H)
- 3000SS - 2 ½ ", 3", 4" (H)
- 3000SS - 6" (H)
- 3000SS - 8" (H)
- 3000SS - 10" (H)
- · 3000SS-A - 6" (H)
- · 3000SS-M - 4" (H)
- 3000SS-M-6" (H)
- 3000SS-WM1 - 2 ½ ", 3" (H)
- 3000SS-WM1 - 4" (H)
- 3000SE-WM1 - 6" (H)
- Colt 300a-BF - 2 ½", 3", 4", 6" (H)
- Colt 300a-BF - 6" (VU)
- Colt 300aGV - 6" (H)
- Colt 300aGV - 6" (VU)
- Colt 300BF - 2 ½", 3", 4", 6", 8" (H, VU)
- Colt 300GV - 2 ½", 3", 4", 8" (H, VU)
- Maxim 300a-BF - 2 ½", 3, 4"
- Maxim 300BF - 2 ½", 3", 6" (H, VU)
- Maxim 300a-BF - 4" (VU)
- Maxim 300a-GV - 4"
- Maxim 300GV - 6" (H)
- Maxim 300a-GV - 6" (VU)
- Maxim 300BF - 2 ½", 3", 4" (H, VU)
- 7
- Conbraco 2 ½ DCDA - 2 ½ "(H, VU)
- 2 ½ DCDA-6 - 2 ½ "(H, VU)
- 2 ½ DCDA-7 - 2 ½ "(H, VU)
- 2 ½ DCDA-8 - 2 ½ "(H, VU)
- 2 ½ DCDAU - 2 ½ "(VUVD)
- 3DCDA - 3"(H, VU)
- 3DCDA-6 - 3"(H, VU)
- 3DCDA-7 - 3"(H, VU)
- 3DCDA-8 - 3"(H, VU)
- 3DCDAU - 3"(VUVD)
- 4DCDA - 4"(H, VU)
- 4DCDA-6 - 4"(H, VU)
- 4DCDA-7 - 4"(H, VU)
- 4DCDA-8 - 4"(H, VU)
- 4DCDAU - 4"(VUVD)
- 4SG-600 - 2 ½", 3", 4", 6", 8"(H, VU)
- 4SG-600U - 2 ½", 3", 4", 6", 8" (VUVD)
- 6DCDA - 6"(H, VU)
- 6DCDA-6 - 6"(H, VU)
- 6DCDA-7 - 6"(H, VU)
- 6DCDA-8 - 6"(H, VU)
- 6DCDAU - 6"(VUVD)
- 8DCDA - 8" (H, VU)

Cross Connection Policy for the South Blount County Utility District

8DCDA8 - 8" (H,VU)  
10DCDA - 10" (H,VU)  
40-600-C3 - 3" (H)  
40-600-E3 - 3" (H)  
40-60A-C3 - 4" (H)  
40-60A-C6 - 4" (H)  
40-60A-E3 - 4" (H)  
40-60A-E6 - 4" (H)  
40-60C-C3 - 6" (H)  
40-60C-C6 - 6" (H)  
40-60C-E3 - 6" (H)  
40-60C-E6 - 6" (H)  
40-60E-C3 - 8" (H)  
40-60E-C6 - 8" (H)  
40-60E-E3 - 8" (H)  
40-60E-E6 - 8" (H)  
40-60G-C3 - 10" (H)  
40-60G-C6 - 10" (H)  
40-60G-E3 - 10" (H)  
40-60G-E6 - 10" (H)  
Febco · · 806 - 4" (H)  
· · 806 - 6", 8", 10" (H)  
806YD - 3" (H)  
806YD - 4", 6", 8", 10" (H)  
831H - 4" (H)  
831H - 4" (VU)  
856 - 2 ½", 3" (H)  
856 - 2 ½", 3"(VU)  
856 - 4", 6" (H)  
856 - 4", 6" (VU)  
856 - 8" (H)  
856 - 8"(VU)  
858 - 2", 2½", 3" (H, VU)  
876 - 2 ½", 3" (VUVD)  
876 - 4", 6" (VUVD)  
876 - 8" (VUVD)  
876 - 10" (VUVD)  
876V - 2 ½", 3", 4", 6"(VUVD, VUVU)  
876V - 8"(VUVD, VUVU)  
876V - 10"(VUVD, VUVU)  
Watts 007 DCDA - 2" (H)  
007 DCDA - 2"(VU)  
007 DCDA - 2 ½" (H)  
007 DCDA - 2 ½" (VU)  
007 DCDA - 3" (H)  
· 007 DCDA - 4", 6" (H)  
709 DCDA - 3" (H)  
709 DCDA - 4", 6" (H)  
709 DCDA - 4" (VU)  
709 DCDA - 8" (H)  
709 DCDA - 10" (H)  
8  
709 DCDA - 6", 8", 10" (VU)  
757DCDA-BF - 2½", 3", 4", 6", 8" (H,VU)  
757a-DCDA-BF - 2½", 3", 4, 6" (H,VU)  
757DCDA-GV - 2½", 3", 4", 6", 8" (H,VU)  
757a-DCDA-GV - 2½", 3", 4", 6"(H,VU)  
767DCDA-BF - 2½", 3", 4", 6" (H,VU)  
767a-DCDA-BF - 2½", 3", 4" (H,VU)  
767DCDA-GV - 2½", 3", 4", 6" (H,VU)

Cross Connection Policy for the South Blount County Utility District

767a-DCDA-GV - 2½", 3", 4" (H,VU)

· · 770 DCDA - 4" (H)

· · 770 DCDA - 8" (H)

· · 772 DCDA - 4" (H)

· · 772 DCDA - 10" (H)

774DCDA - 2 ½", 3", 4" (H)

774DCDA - 6" (H)

774DCDA - 8" (H)

774DCDA - 10" (H)

774XDCDA - 2 ½" (H)

774XDCDA - 6" (H)

774XDCDA - 8" (H)

Wilkins 350ADA – 2½",3",4" (H)

350ADA – 2½",3",4" (VU)

350ADA – 6" (VU)

350ADA – 8" (H,VU)

350ADA – 10" (H,VU)

350DA - 2 1/2", 3" (H)

350DA - 2 1/2", 3" (VU)

350DA - 4" (H)

350DA - 4"(VU)

350DA - 6" (H)

350DA - 6"(VU)

350DA - 8" (H)

350DA - 8" (VU)

350DA - 10" (H)

350DA - 10" (VU)

350 DAG - 4" (H)

350 DAG - 4" (VU)

350 DAG - 6"(H,VU)

350DAG – 8"(H,VU))

350 DAGPI - 4", 6"(H,VU)

350 DAGPI – 8" (H,VU)

350 DAPI - 4", 6" (H,VU)

350 DAPI - 8" (H,VU)

350 DAPI - 10" (H,VU)

450DA - 4" (VUVD)

450DA - 6" (VUVD)

450DA - 8" (VUVD)

450DA - 10" (VUVD)

450DAG - 4" (VUVD)

450DAG - 6" (VUVD)

950DA -2 ½", 3" (H)

950DA - 4", 8" (H)

950DA - 4", 8"(VU)

950DA - 6" (H)

950DA - 2 ½",3",6"(VU)

950DA - 10" (H)

950DAG - 4" (H)

950DAG - 4" (VU)

950DAG - 6" (H)

950DAG - 6"(VU)

· · DCDA - 2 ½", 3" (H)

· · DCDA - 4" (H)

· · DCDA - 6" (H)

**Reduced Pressure Principle Detector Assemblies**

Ames 5000 - 4" (H)

5000 - 6" (H)

Cross Connection Policy for the South Blount County Utility District

5000 - 8" (H)  
5000 - 10" (H)  
5000CIV - 2 ½" (H)  
5000CIV - 3", 4", 6", 8", 10" (H)  
Cla-Val · 18-4 - 10" (H)  
9  
Conbraco 40-700-C3 - 3" (H)  
40-700-E3 - 3" (H)  
40-70A-C3 - 4" (H)  
40-70A-E3 - 4" (H)  
40-70C-C3 - 6" (H)  
40-70C-E3 - 6" (H)  
40-70E-C3 - 8" (H)  
40-70E-E3 - 8" (H)  
40-70G-C3 - 10" (H)  
40-70G-E3 - 10" (H)  
Febco 826YD - 2 ½", 3" (H)  
826YD - 4" (H)  
826YD - 6" (H)  
826YD - 8", 10" (H)  
Watts · · 009NRS RPDA - 4", 6" (H)  
· · 009OSY RPDA - 4", 6" (H)  
909 RPDA - 2 1/2" (H)  
909 RPDA - 3" (H)  
909 RPDA - 4" (H)  
909 RPDA - 6" (H)  
909 RPDA - 8" (H)  
909 RPDA - 10" (H)  
· · 990 RPDA - 4" (H)  
· · 990 RPDA - 8" (H)  
· · 992 RPDA - 4" (H)  
· · 992 RPDA - 10" (H)  
Wilkins 375A – 8" (H)  
375A – 6" (H)  
375A – 4" (H)  
375ADA - 10" (H)  
375DA - 2 ½", 3" (H)  
375DA - 4" (H)  
375 DA - 6" (H)  
375 DA - 8" (H)  
375 DA - 10" (H)  
375DAG - 4" (H)  
375DAG - 6" (H)  
375DAGPI - 4" (H)  
375DAGPI - 6" (H)  
375DAPI - 4" (H)  
375DAPI - 6" (H)  
475 DA - 4" (VUVD)  
475 DA - 6" (VUVD)  
475 DA – 8" (VUVD)  
475 DAG - 4", 6" (VUVD)  
475 DAV - 4" (VUVD)  
475 DAV - 6" (VUVU)  
475 DAV – 8" (VUVU)  
475 DAVG - 4" (VUVD)  
475 DAVG - 8" (VUVU)  
975 DA - 2 ½", 3" (H)  
975 DA - 4" (H)

Cross Connection Policy for the South Blount County Utility District

975 DA - 6" (H)  
975 DA - 8", 10" (H)  
975 DAG - 4", 6" (H)

**Reduced Pressure Principle Assemblies**

Ames 400B-A - 1¼" (VUVD)  
4000B - ½", ¾", 1", 1¼", 1½", 2" (H,VD)

4000BM2 - 1" (H)  
4000BM3 - ¾" (H)  
4000CIV - 2½", 3" (H)  
4000CIV - 4", 6" (H)  
4000CIV - 8", 10" (H)  
4000SS - 2½", 3", 4" (H)  
4000SS - 6" (H)

4000-RP - 4", 6", 8" (H)  
4000-RP - 10" (H)  
Colt 400 - 2½", 3", 4", 6", 8" (H)  
Colt 400BFG - 4", 6" (H)  
Colt 400N - 2½", 3", 4" (VUVD)  
Colt 400Z - 2½", 3", 4" (VUVU)  
Maxim 400 - 2½", 3", 4", 8" (H)

10  
Maxim 400N - 2½", 3" (VUVD)  
Maxim 400Z - 2½", 3" (VUVU)  
U4000B - 1", 1¼", 1½", 2" (VD)  
ARI RP 500-¾", 1" (H)

Beeco - See Hersey/Grinnell  
Buckner · · 24000 - ¾" (H)

- · 24001 - 1" (H)
- · 24002 - 1¼" (H)
- · 24003 - 1½" (H)
- · 24004 - 2" (H)
- · 24000/25 - ¾" (H)
- · 24001/25 - 1" (H)
- · 24002/25 - 1¼" (H)
- · 24003/25 - 1½" (H)
- · 24004/25 - 2" (H)

Cla-Val · RP-2 - ¾", 1" (H)

- RP-2 - 1¼", 1½" (H)
- RP-4 - 2" (H)

RP-4 - 2½", 3", 4", 8", 10" (H)  
RP-4 - 6" (H)

RP4V - 4" (VUVU)  
Conbraco 40-200-02 - 3" (H)

- 40-200-03 - 3" (H)
- 40-200-05 - 3" (H)
- 40-201-02 - ¼" (H)
- 40-201-A2 - ¼" (H)
- 40-201-A2S - ¼" (H)
- 40-201-T2 - ¼" (H)
- 40-202-02 - ⅜" (H)
- 40-202-A2 - ⅜" (H)
- 40-202-A2S - ⅜" (H)
- 40-202-T2 - ⅜" (H)
- 40-203-02 - ½" (H)
- 40-203-A2 - ½" (H)

Cross Connection Policy for the South Blount County Utility District

- 40-203-A2S - ½ (H)
- 40-203-T2 - ½ (H)
- 40-204-02 - ¾ (H)
- 40-204-T2 - ¾ (H)
- 40-204-A2 - ¾ (H)
- 40-204-A2S - ¾ (H)
- 40-204-A2U - ¾ (VUVD)
- 40-204-A2Z - ¾ (VUVU)
- 40-204-TC2 - ¾ (H)
- 40-204-TCU - ¾ (VUVD)
- 40-205-02 - 1" (H)
- 40-205-T2 - 1" (H)
- 40-205-A2 - 1" (H)
- 40-205-A2S - 1" (H)
- 40-205-A2U - 1" (VUVD)
- 40-205-A2Z - 1" (VUVU)
- 40-205-TC2 - 1" (H)
- 40-205-TCU - 1" (VUVD)
- 40-206-02 - 1 ¼" (H)
- 40-206-A2 - 1 ¼" (H)
- 40-206-A2U - 1 ¼" (VUVD)
- 40-206-A2Z - 1 ¼" (VUVU)
- 40-206-T2 - 1 ¼" (H)
- 40-207-02 - 1 ½" (H)
- 40-207-A2 - 1 ½" (H)
- 40-207-A2U - 1 ½" (VUVD)
- 40-207-A2Z - 1 ½" (VUVU)
- 40-207-T2 - 1 ½" (H)
- 40-208-02 - 2" (H)
- 40-208-A2 - 2" (H)
- 40-208-A4 - 2" (H)
- 40-208-A2U - 2" (VUVD)
- 40-208-A2Z - 2" (VUVU)
- 40-208-T2 - 2" (H)
- 40-209-02 - 2 ½" (H)
- 40-209-03 - 2 ½" (H)
- 40-209-05 - 2 ½" (H)
- 40-20A-02 - 4" (H)
- 40-20A-03 - 4" (H)
- 11
- 40-20A-05 - 4" (H)
- 40-20C-02 - 6" (H)
- 40-20C-03 - 6" (H)
- 40-20C-05 - 6" (H)
- 40-20E-02 - 8" (H)
- 40-20E-03 - 8" (H)
- 40-20G-02 - 10" (H)
- 40-20G-03 - 10" (H)
- 4D200 - 2½" (H)
- 4D200 - 3" (H)
- 4D200 - 4" (H)
- 4D200U - 2½" (VUVD)
- 4D200U - 3" (VUVD)
- 4D200U - 4" (VUVD)
- Febco · · 825 - 2 ½" (H)
- · 825 - 3" (H)
- · 825 - 4" (H)
- · 825 - 6" (H)
- · 825 - 8" (H)

Cross Connection Policy for the South Blount County Utility District

- · 825 - 10" (H)
- · 835B- ¾ ", 1", 1 ½ ", 2" (H)
- · 825D - 2 ½ ", 3", 4", 6", 8", 10" (H)
- 825Y - ¾ ", 1" (H)
- 825Y - 1 ¼ " (H)
- 825Y - 1 ½ " (H)
- 825Y - 2" (H)
- 825YA - ¾ ", 1" (H, VUVD, VUH, HVD)
- 825YA - 1 ½ " (H, VUVD, VUH, HVD)
- 825YA - 2" (H, VUVD, VUH, HVD)
- 825 YAR - ¾ " (H, VUVD, VUH, HVD)
- 825 YAR - 1" (H, VUVD, VUH, HVD)
- 825 YAR - 1 ½ " (H, VUVD, VUH, HVD)
- 825 YAR - 2" (H, VUVD, VUH, HVD)
- 825YD - 2 ½ ", 3", 4", 6", 8", 10" (H)
- 825YR - ¾ ", 1" (H)
- 825YR - 1 ½ " (H)
- 825YR - 2" (H)
- 860 - ½ " (H)
- 860 - ¾ ", 1" (H)
- 860 - 1 ¼ " (H)
- 860 - 1 ½ " (H)
- 860 - 2" (H)
- 860 - 2 ½ ", 3" (H)
- 860 - 4" (H)
- 860 - 6" (H)
- 860 - 8" (H)
- 867 - 2 ½ ", 3" (H)
- 860U - ½ ", ¾ ", 1", 1 ¼ ", 1 ½ ", 2" (H)
- 880 - 2 ½ ", 3" (VUVD)
- 880 - 4" (VUVD)
- 880 - 6", 8" (VUVD)
- 880 - 10" (VUVD)
- 880V - 2 ½ ", 3" (VUVD, VUVU)
- 880V - 4" (VUVD, VUVU)
- 880V - 6" (VUVD, VUVU)
- 880V - 8" (VUVD, VUVU)
- 880V - 10" (VUVD, VUVU)
- Flomatic RPZ - ¾ ", 1" (H)
- RPZ - 1 ½ ", 2" (H)
- RPZ - 2 ½ ", 3" (H)
- RPZ - 4" (H)
- RPZ - 6" (H)
- RPZ - 8" (H)
- RPZE - ¾ ", 1", 1 ½ ", 2" (H)
- RPZ-II - ½ ", ¾ " (H)
- RPZ-IIIE - ½ ", ¾ " (H)
- Neptune - See Wilkins
- Richwell - See Wilkins
- Watts 009 - 2 ½ " (H)
- 009 - 3" (H)
- · 009 - 4", 6" (H)
- · 009M1QT - 1 ¼ ", 1 ½ " (H)
- · 009M1QT - 2" (H)
- 12
- · 009M1PCQT - 1 ¼ ", 1 ½ ", 2" (H)
- 009M2QT - ¾ " (H)
- 009M2QT - 1" (H)

Cross Connection Policy for the South Blount County Utility District

009M2QT - 1 ¼ ", 1 ½ " (H)  
009M2QT - 2" (H)  
009M2PCQT - ¾ " (H)  
009M2PCQT - 1" (H)  
009M2PCQT - 1 ¼ ", 1 ½ " (H)  
009M2PCQT - 2" (H)  
009M3QT - ¾ " (H)  
009PCQT - ¾ " (H)  
· · 009PCQT - 1" (H)  
009PCQT - ½ " (H)  
· · 009PCQT - 1 ¼ ", 1 ½ ", 2" (H)  
009QT - ¼ ", ⅜" (H)  
009QT - ½ " (H)  
009QT - ¾ " (H)  
· · 009QT - 1" (H)  
· · 009QT - 1 ¼ ", 1 ½ ", 2" (H)  
· · 009SSM1QT - 2" (H)  
· · 009SSM1PCQT - 2" (H)  
· · 009SSPCQT - ¾ ", 1" (H)  
· · 009SSPCQT - 1 ¼ ", 1 ½ ", 2" (H)  
· · 009SSQT - ¾ ", 1" (H)  
· · 009SSQT - 1 ¼ ", 1 ½ ", 2" (H)  
909 - 2 ½ " (H)  
909 - 3" (H)  
909 - 4" (H)  
909 - 6" (H)  
· · 909 - 8", 10" (H)  
909BB - 2 ½ ", 3" (H)  
909HWQT- ¾ ", 1" (H)  
909HWM1QT- 1 ¼ ", 1 ½ ", 2" (H)  
909M1 - 8", 10" (H)  
909M1QT- 1 ¼ ", 1 ½ ", 2" (H)  
909M1QTFDA - 8", 10" (H)  
909PCHWM1QT - 1 ¼ ", 1 ½ ", 2" (H)  
909PCHWQT - ¾ ", 1" (H)  
909PCM1QT - 1 ¼ ", 1 ½ ", 2" (H)  
909PCQT - ¾ ", 1" (H)  
909PCQT - ¾ ", 1" (VU)  
909QT- ¾ ", 1" (H)  
909QT- ¾ ", 1" (VU)  
909QTFDA - 2 ½ ", 3", 4", 6" (H)  
919QT - 1", 1¼", 1½", 2" (H, VD)  
919QT - ¾ " (VD)  
919AQT - 1", 1¼", 1½", 2" (VUVD)\*  
919AQT - 1¼" (VUVD)  
919ZQT - 1", 1¼", 1½", 2" (VUVU)  
957 - 2 ½ ", 3", 4", 6", 8" (H)  
957 BF- 4", 6" (H)  
957 BFG- 4", 6" (H)  
957N - 2 ½ ", 3", 4" (VUVD)  
957Z - 2 ½ ", 3", 4" (VUVU)  
967 - 2 ½ ", 3", 4", 8" (H)  
967N - 2 ½ ", 3" (VUVD)  
967Z - 2 ½ ", 3" (VUVU)  
· · 990 - 4" (H)

Cross Connection Policy for the South Blount County Utility District

- • 990 - 8" (H)
- • 990QT-FDA - 4" (H)
- • 990QT-FDA - 8" (H)
- • 992 - 4" (H)
- • 992 - 10" (H)
- 994 - 2 ½ ", 3", 4" (H)
- 994 - 6" (H)
- 995QT - ½ " (H)
- 995QT - ¾ " (H)
- 995QT - 1" (H)
- 995QT - 1 ¼ " (H)
- 995QT - 1 ½ " (H)
- FAE909QT - 1 ¼ ", 1 ½ ", 2" (H)
- FAE909HWQT 1 ¼ ", 1 ½ ", 2" (H)
- LF009QT - ½" (H)
- LF009M2QT - 1", 1¼", 1½",2" (H)
- LF009M3QT - ¾" (H)
- LF919QT - ¾", 1", 1¼", 1½", 2" (VD)
- LF919AQT - 1¼" (VUVD)
- LFU919QT - 1", 1¼", 1½", 2" (VD)
- 13
- SS009M3QT - ¼ " (H)
- SS009M3QT - 3/8" (H)
- SS009M3QT - ½ " (H)
- SS009M3QT - ¾ " (H)\*
- SS009QT - 1" (H)
- U009APCQT - ¾ " (VUVD, VDVU, VUVU, VDVD)
- • U009APCQT - 1" (VUVD, VDVU, VUVU, VDVD)
- U009AQT - ¾ " (VUVD, VDVU, VUVU, VDVD)
- • U009AQT - 1" (VUVD, VDVU, VUVU, VDVD)
- • U009M1APCQT - 1 ½ ", 2" (VUVD, VDVU, VUVU, VDVD)
- • U009M1AQT - 1 ½ " (H) (VUVD, VDVU, VUVU, VDVD)
- • U009M1AQT - 2" (H) (VUVD, VDVU, VUVU, VDVD)
- U009M1PCQT - 1 ¼ ", 1 ½ ", 2" (H)
- U009M1QT - 1 ¼ " (H)
- • U009M1QT - 1 ½ ", 2" (H)
- U009M2APCQT - 1" (H, VUVD, VDVU, VUVU, VDVD)
- U009M2APCQT - 1 ½ " (H, VUVD, VDVU, VUVU, VDVD)
- U009M2APCQT - 2" (H, VUVD, VDVU, VUVU, VDVD)
- U009M2AQT - 1" (H, VUVD, VDVU, VUVU, VDVD)
- U009M2AQT - 1 ½ " (H, VUVD, VDVU, VUVU, VDVD)
- U009M2AQT - 2" (H, VUVD, VDVU, VUVU, VDVD)
- U009M2PCQT - 1" (H)
- U009M2PCQT - 1 ½ " (H)
- U009M2PCQT - 2" (H)
- U009M2QT - ¾ " (H)
- U009M2QT - 1" (H)
- U009M2QT - 1 ½ " (H)
- U009M2QT - 2" (H)
- U009PCQT - ½ " (H)
- U009PCQT - ¾ " (H)
- • U009PCQT - 1" (H)
- • U009PCQT - 1 ¼ ", 1 ½ ",2" (H)
- U009QT - ½ " (H)
- • U009QT - ¾ ", 1" (H)

Cross Connection Policy for the South Blount County Utility District

- • U009QT - 1 ¼ ", 1 ½ ", 2" (H)
- • U009SSPCQT - ¾ ", 1" (H)
- • U009SSPCQT - 1 ¼ ", 1 ½ ", 2" (H)
- • U009SSQT - ¾ ", 1" (H)
- • U009SSQT - 1 ¼ ", 1 ½ ", 2" (H)
- U909QT - ¾ ", 1" (H)
- U909QT - ¾ ", 1" (VU)
- U909HWQT - ¾ ", 1" (H)
- U919QT – 1", 1¼", 1½", 2" (H, VD)
- U919AQT – 1", 1¼", 1½", 2" (VUVD)

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- Wilkins 375ADA – 8" (H)
- 375ADA – 6" (H)
- 375ADA – 4" (H)
- 375A-10" (H)
- 375 – - ¾ ", 1", 2 ½ ", 3" (H)
- 375 - 4" (H)
- 375 - 10" (H)
- 375G - 2 ½ ", 3" (H)
- 375G - 4" (H)
- 375 - 6" (H)
- 375 - 8" (H)
- 375G - 6" (H)
- 375G - 8" (H)
- 375GPI - 4", 6" (H)
- 375GPI - 8" (H)
- 375PI - 4", 6" (H)
- 375PI - 8" (H)
- 375MS – 2 ½", 3", 4", 6", 8", 10" (H)
- 375XL - ¾ ", 1", (H)
- 375MS – 2 ½", 3", 4", 6", 8", 10" (H)
- 475 - 2 1/2" (VUVD)
- 475 - 3" (VUVD)
- 475 - 4", 6" (VUVD)
- 475 - 8" (VUVD)
- 475 - 10" (VUVD)
- 475G - 2 ½ " (VUVD)
- 475G - 3" (VUVD)
- 475G - 4", 6" (VUVD)
- 475 MS - 2 ½ ", 3" (VUVD)
- 475 MS - 4", 6", 8", 10" (VUVD)

14

- 475V - 2 ½ " (VUVU)
- 475V - 3" (VUVU)
- 475V - 4" (VUVU)
- 475V - 6" (VUVU)
- 475V - 8" (VUVU)
- 475V - 10" (VUVU)
- 475VG - 2 ½ " (VUVU)
- 475VG - 3" (VUVU)
- 475VG - 4" (VUVU)
- 475VG - 6" (VUVU)
- 475V MS - 2 ½ ", 3" (VUVU)
- 475V MS - 4", 6", 10" (VUVU)
- • 575 - ¾ ", 1" (H)
- • 575A - ¾ ", 1" (H)
- • 575 - 1 ¼ ", 1 ½ ", 2" (H)

## Cross Connection Policy for the South Blount County Utility District

- • 575 - 2 ½ " (H)
  - • 575 - 3" (H)
  - • 575 - 4" (H)
  - • 575 - 6" (H)
  - • 575 -M8" (4 "x 4" x 8" Manifold) (H)
  - • 575 - M10" (6"x6"x10" Manifold) (H)
  - 975 - ¾ ", 1", 1 ¼ ", 1 ½ ", 2" (H)
  - 975 - 2 ½ " (H)
  - 975 - 3", 4", 6" (H)
  - 975 - 8", 10" (H)
  - 975A - ¾ ", 1", 1 ¼ ", 1 ½ ", 2" (H)
  - 975 BMS - 2 ½ ", 3", 4", 6", 8", 10" (H)
  - 975G - 4", 6" (H)
  - 975MS - 2 ½ ", 3", 4", 6" (H)
  - 975MS - 8", 10" (H)
  - 975XL - ¼ ", 3/8", ½ " (H)
  - 975XL - ¾ ", 1", 1 ¼ ", 1 ½ ", 2" (H)
  - 975XLBMS - ¾ ", 1", 1 ¼ ", 1 ½ ", 2" (H)
  - 975XLD - ¾ " (H)
  - 975XLMS - ¾ ", 1", 1 ¼ ", 1 ½ ", 2" (H)
  - 975XLSE - ¾ ", 1" (VUVD, VUVU)
  - 975XLSE - 1 ¼ ", 1 ½ ", 2" (VUVD, VUVU)
  - 975XLST - 3/8", ½ " (H)
  - 975XLSEU - ¾ ", 1" (VUVD, VUVU)
  - 975XLSEU - 1 ¼ ", 1 ½ ", 2" (VUVD, VUVU)
  - 975XLTCU - ½ ", ¾ ", 1", 1 ¼ ", 1 ½ ", 2" (H)
  - 975XLU - ¾ ", 1", 1 ½ ", 2" (H)
  - 975XLV - ¾ ", 1" (VUVD, VUVU)
  - Assemblies listed as "only spare parts available," are designated by the greek letter psi ( · ) may not include the shutoff valve designation.
- Abbreviations for the orientation of each backflow prevention assembly:
- H horizontal inlet and outlet
  - HVD horizontal inlet, vertical-down outlet
  - VDVD vertical-down inlet, vertical-down outlet
  - VDVU vertical-down inlet, vertical-up outlet
  - VU vertical up
  - VUH vertical-up inlet, horizontal outlet
  - VUVD vertical-up inlet, vertical-down outlet
  - VUVU vertical-up inlet, vertical-up outlet