

January 8, 2004

**NOTICE OF APPROVED BACKFLOW PREVENTION ASSEMBLIES**

Enclosed is the list of backflow prevention assemblies, approved by the Public Works Commission for protection to its public water supply.

The following should be considered before selecting a particular assembly.

1. All local plumbing laws and regulations **must** be adhered to.
2. All backflow prevention assemblies **shall** be installed in accordance with specifications furnished by the Public Works Commission and the Manufacturer's installation instructions (PWC's installation instructions supersedes the Manufacture's instructions, due to local requirements).
3. Reduced pressure principle assemblies **must** be installed in a horizontal position and in a location in which no portion of the assembly can become submerged under any circumstances (pit/below grade installations are prohibited).
4. The operation and performance of these assemblies may vary among manufacturers. (Because of local pressure conditions), it is suggested that Public Works Commission's Cross Connection Control Coordinator be contacted to assist in selecting an assembly.
5. The Public Works Commission of the City of Fayetteville reserves the right to add to or remove from the approved list any Reduced Pressure Backflow Prevention Assembly, Double Check Valve Assembly, or Pressure Vacuum Breaker Backflow Preventer.
6. It is a requirement that backflow prevention assemblies be tested immediately after installation and at least once a year thereafter by a person approved by the Public Works Commission. A copy of the test results **must** be sent to the Public Works Commission Cross Connection Control Department immediately after testing (within 10 days). Any time that repairs to backflow prevention assemblies are deemed necessary, whether through initial or annual testing or routine inspection by the owner or by the Public Works Commission, these repairs **must** be completed within a specified time in accordance with the degree of hazard. In no case **shall** this time period exceed thirty (30) days. Should you have any questions concerning the above mentioned testing requirements, contact Brian Morrison, Public Works Commission, at (910) 223-4704.

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7. Personnel of the Public Works Commission will conduct testing of backflow prevention assemblies on a

random basis to ensure that the assemblies are operating properly. The owner will be given adequate advance notification prior to the test.

8. By-pass piping is not permitted unless the by-pass piping is equipped with an approved backflow prevention assembly of the same type and brand as the main line assembly. In many instances it will be necessary to install two approved backflow prevention assemblies in order that water service will not be interrupted during the testing/repair of the assembly.
9. When cross-connections are found to exist, the owner, his agent, occupant, or tenant will be notified in writing to disconnect the same within the time limit established by the Public Works Commission. Degree of protection required and maximum time allowed for compliance will be based upon the potential degree of hazard to the public water system. The maximum time limits are as follows:
  - a. Cross-connections with private wells or other unapproved auxiliary of water - immediate disconnection of unapproved source.
  - b. Cross-connections requiring correction through 1) elimination; 2) air gap separation; 3) reduced pressure zone backflow prevention assembly, double check valve assembly, or pressure vacuum breaker for sizes 3/4" through 2" - up to thirty (30) days.
  - c. Cross-connections requiring correction through reduced pressure zone backflow prevention assembly or double check valve assembly for sizes 2 1/2" and larger - up to sixty (60) days.

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**SUPERSEDES ALL PRIOR LIST**

## LIST OF APPROVED BACKFLOW PREVENTION ASSEMBLIES

**Note:** All assemblies approved for use in the PWC system must have prior approval by Foundation for Cross-Connection Control and Hydraulic Research, University of Southern California.

**Backflow Prevention Assemblies two (2) inches and smaller shall have one quarter (1/4) turn, full port, resilient seated, bronze ball valve shut-off. Assemblies two and one half (2 1/2) inches and larger shall have resilient wedge shut-off valves; the backflow preventer and resilient wedge shut-off valves must be fuse bonded epoxy coated.**

All assemblies are listed in alphabetical order. There is no implication of preference of assemblies.

### APPROVAL LIST FOR POTABLE WATER SERVICES

#### **DOUBLE CHECK VALVE ASSEMBLIES**

##### Ames Company, Inc.

Model 2000B – ½", ¾", 1", 1 ¼", 1 ½", 2"  
Model 2000SS – 2 ½", 3", 4", 6", 8"  
Model 2000SE – 2 ½", 6", 8"  
Model C200(a) Series – 2 ½", 3", 4"  
Model M200 Series – 2 ½", 3"

##### Cla-Val

Model DC6LW – ¾", 1", 1 ½", 2"  
Model DC7LW/DC7LY – 2 ½", 3", 4", 6", 8", 10"  
Model DC8LW/DC8LY – 2 ½", 3", 4", 6", 8", 10"  
Model DC8NW/DC8NY - 2 ½", 3", 4", 6", 8", 10"  
Model DC8VW/DC8VY - 2 ½", 3", 4", 6", 8", 10"

##### Conbraco Industries, Inc.

Model 40100 Series – ¾", 1", 1 ¼", 1 ½", 2"  
Model 40100 Series - 2 ½", 3", 4", 6", 8", 10"

##### Febco Sales Inc.

Model 805Y – ¾", 1", 1 ½", 2"  
Model 805YD – 2 ½", 3", 4", 6", 8", 10"  
Model 850 – ½", ¾", 1", 1 ¼", 1 ½", 2"  
Model 850DC – 2 ½", 3", 4", 6", 8", 10"  
Model 870/870V DC – 2 ½", 3", 4", 6", 8", 10"

##### Watts Regulator Company

Model 007 QT – ¾", 1", 1 ½", 2", 2 ½", 3"  
Model 709 Series – 2 ½", 3", 4", 6", 8", 10"  
Model 775 QT – ½", ¾", 1", 1 ¼", 1 ½"  
Model 774 Series – 2 ½", 3", 4", 6", 8"  
Model 774X Series – 2 ½", 6, 8  
Model 757(a) Series – 2 ½", 3", 4"  
Model 767 Series – 2 ½", 3"

##### Wilkins Regulator Company

Model 950 XLT – ¾", 1", 1 ¼", 1 ½", 2"  
Model 950 – 2 ½", 3", 4", 6", 8", 10"  
Model 350 – 2 ½", 3", 4", 6"  
Model 450 – 4", 6"

**APPROVAL LIST FOR POTABLE WATER SERVICES**  
**AND LAWN IRRIGATION SYSTEMS ONLY**

**REDUCED PRESSURE PRINCIPLE ASSEMBLIES**

**Ames Company, Inc.**

Model 4000 B – ½", ¾", 1", 1 ¼", 1 ½", 2"  
Model 4000 RP - 4", 6", 8", 10"  
Model 4000 SS - 2 ½", 3", 4", 6"  
Model C400 Series – 2 ½", 3", 4"  
Model M400 Series – 2 ½", 3"

**Cla-Val**

Model RP6LW – ¾", 1", 1 ¼", 1 ½", 2"  
Model RP6VW – ¾", 1", 1 ½", 2"  
Model RP7LW/RP7LY – 2 ½", 3", 4", 6", 8", 10"  
Model RP8LW/RP8LY – 2 ½", 3", 4", 6", 8", 10"  
Model RP8NW/RP8NY – 2 ½", 3", 4", 6", 8", 10"  
Model RP8VW/RP8VY – 2 ½", 3", 4", 6", 8", 10"

**Conbraco Industries, Inc.**

Model 40200 Series – ¼", 3/8", ½", ¾", 1", 1 ¼", 1 ½", 2"  
Model 40200 Series - 2 ½", 3", 4", 6", 8", 10"

**Febco Sales Inc.**

Model 825Y – ¾", 1", 1 ¼", 1 ½", 2"  
Model 825YA – ¾", 1", 1 ½", 2"  
Model 825YD - 2 ½", 3", 4", 6", 8", 10"  
Model 860 – ½", ¾", 1", 1 ¼", 1 ½", 2"  
Model 860RP – 2 ½", 3", 4", 6", 8", 10"  
Model 880/880V – 2 ½", 3", 4", 6", 8", 10"

**Watts Regulator Company**

Model 009 QT – ¾", 1", 1 ½", 2", 2 ½", 3", 4", 6"  
Model 909 QT – ¾", 1", 1 ¼", 1 ½", 2"  
Model 909 Series – 2 ½", 3", 4", 6", 8", 10"  
Model 994 Series – 2 ½", 3", 4", 6"  
Model 957 Series – 2 ½", 3", 4"

**Wilkins Regulator Company**

Model 975 XLT – ¾", 1", 1 ¼", 1 ½", 2"  
Model 975 – 2 ½", 3", 4", 6", 8", 10"  
Model 375 – 2 ½", 3", 4", 6"  
Model 475 – 4", 6"

**APPROVAL LIST FOR POTABLE WATER SERVICES**

**PRESSURE VACUUM BREAKERS**

**Febco Sales, Inc.**

Model 765 – ½", ¾", 1", 1 ½", 2",

**Watts Regulator Company**

Model 800 Series – ¾", 1", 1 ¼", 1 ½", 2",

**Wilkins Regulator Company**

Model 720A – ½", ¾", 1", 1 ¼", 1 ½", 2"

All connection for fire systems connected with the public water system shall be protected with an approved double check detector check valve assembly as a minimum requirement. All fire systems using toxic additives or booster pumps shall be protected by an approved reduced pressure principal detector assembly.

**Ames Company, Inc.**

Model 3000 DCDA - 4", 6", 8", 10"  
Model 3000SS - 2 ½", 3", 4", 6", 8"  
Model 3000SE – 2 ½", 3", 4", 6", 8", 10"  
Model 5000 RPDA - 4", 6", 8", 10"

**Cla-Val**

Model DD7LY/DD8LY/DD8NY – 3", 4", 6", 8", 10"  
Model RD7LY – 2 ½" 3", 4", 6", 8", 10"

**Conbraco Industries, Inc.**

Model 40600 Series DCDA - 3", 4", 6", 8", 10"  
Model 40700 Series RPDA - 3", 4", 6", 8", 10"

**Febco Sales, Inc.**

Model 806 DDC - 3", 4", 6", 8", 10"  
Model 856 DCDA – 2 ½", 3", 4", 6", 8", 10"  
Model 876/876V DCDA - 2 ½", 3", 4", 6", 8", 10"  
Model 826 RPDA - 2 ½", 3", 4", 6", 8", 10"

**Watts Regulator Company**

Model 709 DCDA - 4" 6", 8", 10"  
Model 909 RPDA - 3", 4", 6", 8", 10"  
Model 774 DCDA – 2 ½", 3", 4", 6", 8"  
Model 774X DCDA – 2 ½", 3", 4", 6", 8", 10"

**Wilkins Regulator Company**

Model 950 DCDA - 4", 6", 8"  
Model 975 RPDA – 2 ½", 3", 4", 6", 8", 10"  
Model 350 DA – 4", 6"  
Model 450 DA – 4", 6"  
Model 375 DA – 4", 6"  
Model 475 DA – 4", 6"