



APPROVED BACKFLOW PREVENTION ASSEMBLIES REVISION 08/2012

The following should be considered before selecting a particular assembly:

1. All local plumbing laws and regulations shall be adhered to.
2. All backflow prevention assemblies shall be installed in accordance with specifications furnished by the Roanoke Rapids Sanitary District and the Manufacturer's installation instructions.
3. Reduced pressure principle assemblies shall 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 design and local pressure conditions.
5. The Roanoke Rapids Sanitary District 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 annually thereafter by a person approved by the Roanoke Rapids Sanitary District. A copy of the test results shall be sent to the Roanoke Rapids Sanitary District 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 Roanoke Rapids Sanitary District, these repairs shall be completed within a specified time in accordance with *The Ordinance for the Control of Backflow and Cross Connections*. Should you have any questions concerning the above mentioned testing requirements, contact Justin Blackmon, RRSD Utility Engineer, at (252) 537-9137.
7. 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.
8. When cross-connections are found to exist, the owner, his agent, occupant, or tenant will be notified in writing to disconnect the aforementioned within the time limit established by the Roanoke Rapids Sanitary District's *Ordinance for the Control of Backflow and Cross Connections*.

NOTE:

All assemblies approved for use in the Roanoke Rapids Sanitary District's Distribution System must have prior approval by Foundation for Cross-Connection Control and Hydraulic Research, University of Southern California. All assemblies are approved for potable water services only. 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.



LIST OF APPROVED BACKFLOW PREVENTION ASSEMBLIES

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

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”, 10”, 12”

Model 2000SE – 2 ½”, 6”, 8”

Model C200 Series – 2 ½”, 3”, 4”, 6”, 8”, 10”

Model M200 Series – 2 ½”, 3”

Apollo Valves

Model 40-100 Conbraco Series – ¾”, 1”, 1 ¼”, 1 ½”, 2”

Model 40-100 Conbraco Series - 2 ½”, 3”, 4”, 6”, 8”, 10”

DC/4S-100 - 1/2”

DC/4S-100 - 2 ½”, 3”, 4”, 6”, 8”, 10”

Model 4SG-100 - 2 ½”, 3”, 4”, 6”, 8”

Model DC-40 - ¾”, 1”, 1 ¼”, 1 ½”, 2”

Model DC4A - 1/2”, ¾”

Model DC4A - 1” VERTICAL ONLY

Model DCLF - 1/2”, ¾”

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”

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”

Flomatic

Model DCV – 2 ½”, 3”, 4”, 6”, 8”

Model DCVE – ¾”, 1”, 1 ½”, 2”

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 774 Series – 2 ½”, 3”, 4”, 6”, 8”

Model 774X Series – 2 ½”, 6, 8

Model 767 Series – 2 ½”, 3”

Model 757 Series – 2 ½”, 3”, 4”, 6”, 8”, 10”



DOUBLE CHECK VALVE ASSEMBLIES CONT.

Watts Regulator Company

Model 719 Series – ¾”, 1”, 1 ½”, 2”

Wilkins Regulator Company

Model 950 XLT – ¾”, 1”, 1 ¼”, 1 ½” 2”

Model 950 – 2 ½”, 3”, 4”, 6”, 8”, 10”

Model 350 (All Series) – ¾”, 1”, 1 ¼”, 1 ½” 2”, 2 ½”, 3”, 4”, 6”, 8”, 10”, 12”

Model 450 – 2 1/2”, 3”, 4”, 6”, 8”, 10”

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”, 6”, 8”, 10”

Model M400 Series – 2 ½”, 3”

Apollo Valves

Model 40-200 Conbraco Series – ¼”, 3/8”, ½”, ¾”, 1”, 1 ¼”, 1 ½”, 2”

Model 40-200 Conbraco Series - 2 ½”, 3”, 4”, 6”, 8”, 10”

Model 40-200-02 - 2 ½”, 3”, 4”, 6”, 8”, 10”

Model 40-200-03 - 2 ½”, 3”, 4”, 6”, 8”, 10”

Model 40-200-05 - 2 ½”, 3”, 4”, 6”

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”

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”

Model 880/880V – 2 ½”, 3”, 4”, 6”, 8”, 10”

Flomatic

Model RPZ – 2½”, 3”, 4”, 6”, 8”

Model RPZE – ¾”, 1”, 1 ½”, 2”

Model RPZE II – ¾”

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 957 Series – 2 ½”, 3”, 4”, 6”, 8”, 10”



REDUCED PRESSURE PRINCIPLE ASSEMBLIES CONT.

Watts Regulator Company

Model 994 Series – 2 ½", 3", 4", 6"

Model 909 Series – 2 ½", 3", 4", 6", 8", 10"

Model 919 – ¾", 1", 1 ½", 2"

Wilkins Regulator Company

Model 975 XL Series – ¾", 1", 1 ¼", 1 ½" 2"

Model 975 – 2 ½", 3", 4", 6", 8", 10"

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

Model 475 – 2 1/2", 3", 4", 6", 8", 10"

DETECTOR CHECK ASSEMBLIES FOR FIRE SYSTEMS

All fire protection systems connected to the Roanoke Rapids Sanitary District public water supply shall be protected with an approved double detector check valve assembly as a minimum requirement. Fire systems with a fire department connection shall be protected by an approved reduced pressure principal detector assembly. Fire systems using toxic additives and or booster pumps shall be protected by an approved reduced pressure principal detector assembly. All assemblies used in the Roanoke Rapids Sanitary District system on fire lines must have prior approval by Foundation for Cross-Connection Control and Hydraulic Research, University of Southern California, FM and UL.

Ames Company, Inc.

Model 3000 DCDA - 4", 6", 8", 10"

Model 3000SS DCDA- 2 ½", 3", 4", 6", 8"

Model 3000SE DCDA – 2 ½", 3", 4", 6", 8", 10"

Model C300 DCDA Series - 2 ½", 3", 4", 6", 8"

Model 5000 RPDA - 4", 6", 8", 10"

Model C500 RPDA Series - 2 ½", 3", 4", 6", 8", 10"

Apollo Valves

Model 40-600 DCDA Conbraco Series - 3", 4", 6", 8", 10"

Model 4SG-600 DCDA - 2 ½", 3", 4", 6", 8"

Model DCDA/4S-600 - 2 ½", 3", 4", 6", 8", 10"

Model 40-700 RPDA Conbraco Series - 3", 4", 6", 8", 10"

Cla-Val

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

Model RD7LY – 2 ½" 3", 4", 6", 8", 10"

Febco Sales, Inc.

Model 806YD DDC - 3", 4", 6", 8", 10"

Model 856 DCDA – 2 ½", 3", 4", 6", 8", 10"

Model 858 DCDA - 2", 2 1/2", 3"

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 774 DCDA – 2 ½", 3", 4", 6", 8"

Model 774X DCDA – 2 ½", 3", 4", 6", 8", 10"

Model 757 Series DCDA - 2 ½", 3", 4", 6", 8"



DETECTOR CHECK ASSEMBLIES FOR FIRE SYSTEMS

Watts Regulator Company

Model 909 RPDA - 3", 4", 6", 8", 10"

Model 957 Series RPDA - 2 1/2", 3", 4", 6", 8", 10"

Wilkins Regulator Company

Model 950 DCDA - 2 1/2", 3", 4", 6", 8", 10"

Model 350 DCDA - 2 1/2", 3", 4", 6", 8", 10", 12"

Model 450 DCDA - 4", 6", 8", 10"

Model 975 RPDA - 2 1/2", 3", 4", 6", 8", 10"

Model 375 RPDA - 2 1/2", 3", 4", 6", 8", 10"

Model 475 RPDA - 2 1/2", 3", 4", 6", 8", 10"

PRESSURE AND SPILL RESISTANT VACUUM BREAKERS

Apollo Valves

Model 40-500 - 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"

Model PVB/4V-500 - 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"

SVB/4W-500 - 1/4", 1/2"

Model PVB 4A - 1/2", 3/4", 1", 1 1/4", 1 1/2"

Febco Sales, Inc.

Model 765 - 1/2", 3/4", 1", 1 1/2", 2",

Model 767 Series - 1/2", 3/4", 1", 1 1/2", 2"

Watts Regulator Company

Model 800 Series - 3/4", 1", 1 1/4", 1 1/2", 2",

Wilkins Regulator Company

Model 720A - 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"

Model 460 Series - 3/8", 1/2", 3/4", 1",

Model 420 Series - 1/2", 3/4", 1"