NOTICE OF APPROVED BACKFLOW PREVENTION ASSEMBLIES FOR SOUTH CAROLINA

Enclosed is the revised list of approved backflow prevention assemblies and a list of backflow equipment representatives.

The following should be considered before selecting a particular assembly:

1. All local plumbing laws and regulations must be adhered to.
2. Manufacturer's installation instructions shall be strictly adhered to.
3. Reduced pressure principle assemblies shall be installed so that the relief port will never become submerged. This prohibits installation in a pit that cannot be drained by gravity to the surface of the ground. Also, RPPA are not acceptable for the vertical orientation unless approved by the University of Southern California’s Foundation for Cross Connection Control & Hydraulic Research.
4. The operating performance of these assemblies varies among manufacturers; therefore, it suggested that local water authorities be contacted to assist in selecting an assembly which is best suited for that particular system.
5. The South Carolina Department of Health and Environmental Control reserves the right to add or to remove from the approved list any reduced pressure principle assembly, pressure vacuum breaker, or double check valve assembly.
6. It is a requirement that backflow prevention assemblies be tested immediately after installation and at least once a year thereafter. If a serious defect is discovered at the time of the first (immediate inspection after installation) inspection or after any subsequent inspections, it is requested that the Department of Health and Environmental Control be notified so prompt action can be taken to review the approved status of the assembly.
7. By-pass piping is not permitted unless the by-pass piping is equipped with an approved backflow prevention assembly similar to the main line assembly. In many instances it will be desirable, or necessary to install two approved backflow prevention assemblies in order that water service will not be interrupted during the testing or repair of the assembly.
8. Some manufacturers market, as non-standard equipment, assemblies capable of withstanding elevated temperatures. The high temperature assemblies should be ordered from the manufacturer to include documentation certifying their ability to withstand high temperatures.

9. Any reduced pressure principle assembly, pressure vacuum breaker, or double Check valve assembly on this list of approved assemblies must be equipped with either resilient seated ball valves or resilient wedged gate valves. Butterfly valves are acceptable on backflow assemblies as long they are approved by the University of Southern California’s Foundation for Cross Connection Control & Hydraulic Research.

10. If a manufacturer markets a prefabricate "manifold" series it will be approved as long as both of the assemblies in the manifold are from the approved list.

11. Manufacturer’s now design and sell type I and type II double check detector assemblies and reduced pressure detector assemblies for fire sprinkler systems. There is an importance difference between the type I and type II detector assemblies. The type I DCDA or RPDA will have two double check valve assemblies or two reduced pressure principle assemblies. One on the main line and one on the by-pass and both must be tested. There will be a meter on the by-pass line to detect water usage. The type II DCDA or RPDA will only have one double check valve assembly or reduced pressure principle assembly which will be installed on the main fire line. However, the by-pass line will be installed at or near test cock number 3 where the by-pass line will only have a single check valve installed after the water meter. Both the type I and type II detector assemblies must be assembled by the manufacturer and shipped as a complete unit. Any alterations of this assembly in the field must meet manufacturer’s specifications and/or the USCFCCC&HR.
SCDHEC

LIST OF APPROVED BACKFLOW PREVENTION ASSEMBLIES

**DOUBLE CHECK VALVE ASSEMBLIES**

DCVA’s are approved for use when protecting the potable water system from backflow when a low degree of hazard is involved. A low degree of hazard is one which may cause an actual or potential threat to the physical properties of the water system or the potability of the public or consumer's potable water system. However, a low degree of hazard would not constitute a health or system hazard. The maximum degree or intensity of pollution to which the potable water system could be degraded under this definition would cause a nuisance or be aesthetically objectionable.

<table>
<thead>
<tr>
<th>COMPANY</th>
<th>MODEL</th>
<th>SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ames</td>
<td>2000B</td>
<td>½”, ⅛”, 1”, 1¼”, 1½”, 2”</td>
</tr>
<tr>
<td></td>
<td>2000 (Epoxy)</td>
<td>4”, 6”, 8”, 10”</td>
</tr>
<tr>
<td></td>
<td>2000SS</td>
<td>⅛”, 1”, 1¼”, 1½”, 2”, 2½”, 3”, 4”, 6”, 8”, 10”, 12”</td>
</tr>
<tr>
<td></td>
<td>2000SE</td>
<td>2½”, 6”, 8”</td>
</tr>
<tr>
<td></td>
<td>2001SS</td>
<td>3”, 4”, 6”, 8”</td>
</tr>
<tr>
<td></td>
<td>2001SSN</td>
<td>3”, 4”, 6”, 8”</td>
</tr>
<tr>
<td></td>
<td>2001SSZ</td>
<td>3”, 4”, 6”, 8”</td>
</tr>
<tr>
<td></td>
<td>Colt200</td>
<td>2½”, 3”, 4”, 6”, 8”, 10”</td>
</tr>
<tr>
<td></td>
<td>Colt200A</td>
<td>2½”, 3”, 4”, 6”, 8”, 10”</td>
</tr>
<tr>
<td></td>
<td>Colt200N</td>
<td>2½”, 3”, 4”, 6”, 8”, 10”</td>
</tr>
<tr>
<td></td>
<td>Colt200Z</td>
<td>2½”, 3”, 4”, 6”, 8”, 10”</td>
</tr>
<tr>
<td></td>
<td>Maxim200</td>
<td>2½”, 3”, 4”, 6”, 8”</td>
</tr>
<tr>
<td></td>
<td>Maxim200A</td>
<td>2½”, 3”, 4”, 6”, 8”</td>
</tr>
<tr>
<td></td>
<td>Maxim200N</td>
<td>2½”, 3”, 4”, 6”, 8”</td>
</tr>
<tr>
<td></td>
<td>Maxim200Z</td>
<td>2½”, 3”, 4”, 6”, 8”</td>
</tr>
<tr>
<td>ARI</td>
<td>DC500</td>
<td>½”, ⅛”, 1”, 1¼”, 1½”, 2”</td>
</tr>
<tr>
<td>Backflow Direct</td>
<td>Deringer 20</td>
<td>2½”, 3”, 4”, 8”</td>
</tr>
<tr>
<td></td>
<td>Deringer 20X</td>
<td>6”</td>
</tr>
<tr>
<td>Beeco-Hersey</td>
<td>#2</td>
<td>3”, 4”, 6”, 8”, 10”</td>
</tr>
<tr>
<td></td>
<td>FDC</td>
<td>⅛”, 1”, 1½”, 2”, 2½”, 3”, 4”, 6”</td>
</tr>
<tr>
<td></td>
<td>HDC</td>
<td>⅛”, 1”, 1½”, 2”</td>
</tr>
<tr>
<td></td>
<td>Barracuda 20</td>
<td>2½”, 3”, 4”, 8”</td>
</tr>
<tr>
<td></td>
<td>Barracuda 20X</td>
<td>6”</td>
</tr>
</tbody>
</table>
### DOUBLE CHECK VALVE ASSEMBLIES CONTINUED:

<table>
<thead>
<tr>
<th>COMPANY</th>
<th>MODEL</th>
<th>SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cla-Val</strong></td>
<td>D2</td>
<td>¼&quot;, 1&quot;, 1¼&quot;, 1½&quot;</td>
</tr>
<tr>
<td></td>
<td>D4</td>
<td>2&quot;, 2½&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;, 10&quot;</td>
</tr>
<tr>
<td></td>
<td>DC6LB</td>
<td>¾&quot;, 1&quot;, 1½&quot;, 2&quot;</td>
</tr>
<tr>
<td></td>
<td>DC6LB</td>
<td>¼&quot;, 1&quot;, 1½&quot;, 2&quot;</td>
</tr>
<tr>
<td></td>
<td>DC7LY</td>
<td>2½&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;, 10&quot;</td>
</tr>
<tr>
<td></td>
<td>DC8LY</td>
<td>2½&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;, 10&quot;</td>
</tr>
<tr>
<td></td>
<td>DC8NW</td>
<td>2½&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;, 10&quot;</td>
</tr>
<tr>
<td></td>
<td>DC8NY</td>
<td>2½&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;</td>
</tr>
<tr>
<td></td>
<td>DC8VW</td>
<td>2½&quot;, 3&quot;, 4&quot;, 6&quot;</td>
</tr>
<tr>
<td></td>
<td>DC8VY</td>
<td>2½&quot;, 3&quot;, 4&quot;, 6&quot;</td>
</tr>
<tr>
<td><strong>Conbraco/Apollo</strong></td>
<td>4S</td>
<td>½&quot;</td>
</tr>
<tr>
<td></td>
<td>40-104 A2T thru</td>
<td>¾&quot;, 1&quot;, 1¼&quot;, 1½&quot;, 2&quot;</td>
</tr>
<tr>
<td></td>
<td>40-108 A2T</td>
<td>½&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;</td>
</tr>
<tr>
<td></td>
<td>4A-100 = DC4A</td>
<td>½&quot;, ¾&quot;, 1&quot;, 1¼&quot;, 1½&quot;, 2&quot;, 2½&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;</td>
</tr>
<tr>
<td></td>
<td>4ALF-100 = DCLF4A</td>
<td>½&quot;, ¾&quot;, 1&quot;, 1¼&quot;, 1½&quot;, 2&quot;, 2½&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;</td>
</tr>
<tr>
<td></td>
<td>4AN-100 = DC4AN</td>
<td>½&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;</td>
</tr>
<tr>
<td></td>
<td>4ANLF-100 = DCLF4AN</td>
<td>½&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;</td>
</tr>
<tr>
<td><strong>Febco</strong></td>
<td>805</td>
<td>¾&quot;, 1&quot;, 1½&quot;, 2&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;, 10&quot;</td>
</tr>
<tr>
<td></td>
<td>805YB &amp; YR</td>
<td>¾&quot;, 1&quot;</td>
</tr>
<tr>
<td></td>
<td>805YD</td>
<td>2½&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;, 10&quot;</td>
</tr>
<tr>
<td>COMPANY</td>
<td>MODEL</td>
<td>SIZE</td>
</tr>
<tr>
<td>---------</td>
<td>-------</td>
<td>------</td>
</tr>
<tr>
<td></td>
<td>709</td>
<td>2½&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;, 10&quot;</td>
</tr>
<tr>
<td></td>
<td>719QT</td>
<td>¼&quot;, 1&quot;, 1¼&quot;, 1½&quot;, 2&quot;</td>
</tr>
<tr>
<td></td>
<td>007</td>
<td>½&quot;, ¾&quot;, 1&quot;, 1¼&quot;, 1½&quot;, 2&quot;, 3&quot;</td>
</tr>
<tr>
<td></td>
<td>007M1&amp;M2QT</td>
<td>¾&quot;, 1&quot;, 1¼&quot;, 1½&quot;, 2&quot;</td>
</tr>
<tr>
<td></td>
<td>007M3QT</td>
<td>¼&quot;</td>
</tr>
<tr>
<td></td>
<td>770</td>
<td>4&quot;, 6&quot;, 8&quot;</td>
</tr>
<tr>
<td></td>
<td>772</td>
<td>4&quot;, 6&quot;, 8&quot;, 10&quot;</td>
</tr>
<tr>
<td></td>
<td>774</td>
<td>¼&quot;, 1&quot;, 1¼&quot;, 1½&quot;, 2&quot;, 2½&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;, 10&quot;</td>
</tr>
<tr>
<td></td>
<td>774X</td>
<td>2½&quot;, 6&quot;, 8&quot;</td>
</tr>
<tr>
<td></td>
<td>775QT</td>
<td>½&quot;, ¾&quot;, 1&quot;, 1¼&quot;, 1½&quot;, 2&quot;</td>
</tr>
<tr>
<td></td>
<td>775</td>
<td>3&quot;, 4&quot;, 6&quot;, 8&quot;</td>
</tr>
<tr>
<td></td>
<td>N775</td>
<td>3&quot;, 4&quot;, 6&quot;, 8&quot;</td>
</tr>
<tr>
<td></td>
<td>757A</td>
<td>2½&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;, 10&quot;</td>
</tr>
<tr>
<td></td>
<td>757N</td>
<td>2½&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;, 10&quot;</td>
</tr>
<tr>
<td></td>
<td>767A</td>
<td>2½&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;</td>
</tr>
<tr>
<td></td>
<td>767N</td>
<td>2½&quot;, 3&quot;, 4&quot;</td>
</tr>
<tr>
<td></td>
<td>350A</td>
<td>2½&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;, 10&quot;</td>
</tr>
<tr>
<td></td>
<td>350AR &amp; ARXL</td>
<td>2½&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;, 10&quot;</td>
</tr>
<tr>
<td></td>
<td>350AST</td>
<td>2½&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;, 10&quot;</td>
</tr>
<tr>
<td></td>
<td>350 ASTR</td>
<td>2½&quot;, 3&quot;, 4&quot;, 6&quot;</td>
</tr>
<tr>
<td></td>
<td>350XL</td>
<td>¾&quot;, 1&quot;, 1¼&quot;, 1½&quot;, 2&quot;, 2½&quot;, 3&quot;, 4&quot;, 6&quot;</td>
</tr>
</tbody>
</table>
Type I - Double Check Detector Assemblies & Reduced Pressure Detector Assemblies

The following assemblies are Type I Double Check Detector Assemblies and Reduced Pressure Detector Assemblies. These assemblies are made up from DCVA’s and RPPA’s which are approved elsewhere on this list. These assemblies are designed for FIRE LINE SPRINKLER use. If a Double Check Detector Assembly or Reduced Pressure Detector Assembly is prescribed, it should be done with an understanding that the meter on the by-pass line should be read periodically in order to be of any value. Don’t forget that when the annual testing is done, both of these assemblies are required to be tested (mainline dcva and by-pass dcva). This type I detector assembly must be assembled by the manufacturer and shipped as a complete unit. Any alterations of this assembly in the field must meet manufacturer’s specifications and/or the USCFCCC&HR.

**TYPE I - DOUBLE CHECK DETECTOR ASSEMBLIES ARE:**

AMES - 3000SS, 3000SE, (3001SS & 3001SSN & 3001SSZ 3”-8”), (Colt300 2½”-10”), (Colt300A 2½”-10”), (Colt300N 2½”-10”), (Maxim300 2½”-8”), (Maxim300N 2½”-8”)

BEECO-HERSEY - DDCII

CLAVAL - DD7LY, DD8LY, DD8NY

CONBRACO/APOLLO - 40-600, 40-60A, 40-60C, 40-60E, 40-60G, (4SG-600 2½”-8”), DA4S 10”, (4A-600 2½”-8”), (4AN-600 2½”-8”), (4ALF-600 2½”-8”), (4ANLF-600 2½”-8”)
TYPE I - REDUCED PRESSURE DETECTOR ASSEMBLIES ARE:

AMES- 5000SS, (5001SS & 5001SSN & 5001SSZ 3”-6”), (Colt500 2½”-10”), (Colt500A 2½”-10”), (Colt500N 2½”-10”), (Maxim500 2½”-8”) (Maxim500A 2½”-8”), (Maxim500N 2½”-8”)  
BEECO-HERSEY- 6CMDA  
CLAVAL- RD7LY  
CONBRACO/APOLLO- 40-700, 40-70A, 40-70C, 40-70E, 40-70G, (4A-700 2½”-8), (4AN-700 2½”-8”), (4ALF-700 2½”-8”), (4ANLF-700 2½”-8”)  
FEBCO- 826YD  
WATTS- 009RPDA, 909RPDA, 990RPDA, 992RPDA, (957RPDA 2½”-10”), (957NRPDA 2½”-10”), (967NRPDA 2½”-3”)  
WILKINS- (975DA 2½”-10”), (375DA 2½”-10”), (375ADA & 375ADAR 2½”-10”), (375ASTDA 2½”-4), (475DA 4”-8”), (475DAV 4”-8”)  

Type II – Double Check Detector Assemblies & Reduced Pressure Detector Assemblies

The following assemblies are Type II Double Check DETECTOR Assemblies and Reduced Pressure DETECTOR Assemblies. These assemblies are designed for FIRE LINE SPRINKLER use. The type II DCDA or RPDA will only have one double check valve assembly or reduced pressure principle assembly which will be installed on the main fire line. However, the by-pass line will be installed at or near test cock number 3 where the by-pass line will only have a single check valve installed after the water meter. If a Double Check Detector Assembly or Reduced Pressure Detector Assembly is prescribed, it should be done with an understanding that the meter on the by-pass line should be read periodically in order to be of any value. Don’t forget that when the annual testing is done, the main line backflow assembly and the single check on the by-pass line should both be tested. This type II detector assembly must be assembled by the manufacturer and shipped as a complete unit. Any alterations of this assembly in the field must meet manufacturer’s specifications and/or the USCFCCC&HR.
TYPE II - DOUBLE CHECK DETECTOR ASSEMBLIES ARE:

BACKFLOW DIRECT – DERINGER 30 (2 ½”, 3”, 4”, 8”), DERINGER 30X – 6”
FEBCO – LF856 (2 ½” – 10”), LF876V (2 ½” – 8”)

TYPE II - REDUCED PRESSURE DETECTOR ASSEMBLIES ARE:

BACKFLOW DIRECT – DERINGER 50 (2 ½”, 3”, 4”, 8”), DERINGER 50X – 6”
FEBCO- LF866 (2 ½” – 10”), LF886V (2 ½” – 8”)

### SCDHEC

**LIST OF APPROVED BACKFLOW PREVENTION ASSEMBLIES**

**REDUCED PRESSURE PRINCIPLE ASSEMBLIES**

Approved for use to protect the potable water system from backflow when there is an actual or potential health hazard. The terms "health hazard" shall mean an actual or potential threat of contamination or pollution of a physical or toxic nature to the public potable water system or the consumer's potable water system to such a degree of intensity that there would be a danger to health.

<table>
<thead>
<tr>
<th>COMPANY</th>
<th>MODEL</th>
<th>SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ames</td>
<td>4000B</td>
<td>½&quot;, ¾&quot;, 1&quot;, 1¼&quot;, 1½&quot;, 2&quot;</td>
</tr>
<tr>
<td></td>
<td>4000-RP</td>
<td>4&quot;, 6&quot;, 8&quot;, 10&quot;</td>
</tr>
<tr>
<td></td>
<td>4000SS</td>
<td>¾&quot;, 1&quot;, 1¼&quot;, 1½&quot;, 2&quot;, 2½&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;, 10&quot;</td>
</tr>
<tr>
<td></td>
<td>4001SS</td>
<td>3&quot;, 4&quot;, 6&quot;</td>
</tr>
<tr>
<td></td>
<td>4001SSN</td>
<td>3&quot;, 4&quot;, 6&quot;</td>
</tr>
<tr>
<td></td>
<td>4001SSZ</td>
<td>3&quot;, 4&quot;, 6&quot;</td>
</tr>
<tr>
<td></td>
<td>Colt400</td>
<td>2½&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;, 10&quot;</td>
</tr>
<tr>
<td></td>
<td>Colt400N</td>
<td>2½&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;, 10&quot;</td>
</tr>
<tr>
<td></td>
<td>Colt400Z</td>
<td>2½&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;, 10&quot;</td>
</tr>
<tr>
<td></td>
<td>Maxim400</td>
<td>2½&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;, 10&quot;</td>
</tr>
<tr>
<td></td>
<td>Maxim400N</td>
<td>2½&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;</td>
</tr>
<tr>
<td></td>
<td>Maxim 400Z</td>
<td>2½&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;</td>
</tr>
<tr>
<td></td>
<td>ARI</td>
<td>RP500</td>
</tr>
<tr>
<td></td>
<td></td>
<td>½&quot;, ¾&quot;, 1&quot;, 1¼&quot;, 1½&quot;, 2&quot;</td>
</tr>
<tr>
<td>Backflow Direct</td>
<td>Deringer 40</td>
<td>2½&quot;, 3&quot;, 4&quot;, 8&quot;</td>
</tr>
<tr>
<td></td>
<td>Deringer 40X</td>
<td>6&quot;</td>
</tr>
<tr>
<td>Beeco-Hersey</td>
<td>6CM</td>
<td>2½&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;, 10&quot;</td>
</tr>
<tr>
<td></td>
<td>6CM-Bronze</td>
<td>2½&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;</td>
</tr>
<tr>
<td></td>
<td>FRP-II</td>
<td>¾&quot;, 1&quot;, 1¼&quot;, 1½&quot;, 2&quot;</td>
</tr>
<tr>
<td></td>
<td>Barracuda 40</td>
<td>2½&quot;, 3&quot;, 4&quot;, 8&quot;</td>
</tr>
<tr>
<td></td>
<td>Barracuda 40X</td>
<td>6&quot;</td>
</tr>
<tr>
<td>Buckner</td>
<td>24000 thru 24004</td>
<td>¾&quot;, 1&quot;, 1¼&quot;, 1½&quot;, 2&quot;</td>
</tr>
<tr>
<td>Cash Acme</td>
<td>RP 100</td>
<td>¾&quot;, 1&quot;, 1½&quot;, 2&quot;</td>
</tr>
<tr>
<td></td>
<td>RP 200</td>
<td>½&quot;, ¾&quot;</td>
</tr>
<tr>
<td></td>
<td>RP 500</td>
<td>¾&quot;, 1&quot;</td>
</tr>
</tbody>
</table>
### Reduced Pressure Principle Assemblies Continued:

<table>
<thead>
<tr>
<th>COMPANY</th>
<th>MODEL</th>
<th>SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cla-Val</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RP-2</td>
<td>¼&quot;, 1&quot;, ½&quot;, 1½&quot;, 1½&quot;</td>
<td></td>
</tr>
<tr>
<td>RP-4</td>
<td>2&quot;, 2½&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;, 10&quot;</td>
<td></td>
</tr>
<tr>
<td>RP-4V</td>
<td>4&quot;</td>
<td></td>
</tr>
<tr>
<td>RP6LW</td>
<td>¼&quot;, 1&quot;, ½&quot;, 1½&quot;, 1½&quot;, 2&quot;</td>
<td></td>
</tr>
<tr>
<td>RP6VW</td>
<td>¼&quot;, 1&quot;, ½&quot;, 2&quot;</td>
<td></td>
</tr>
<tr>
<td>RP7LW</td>
<td>2½&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;, 10&quot;</td>
<td></td>
</tr>
<tr>
<td><strong>Conbraco/Apollo</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stainless</td>
<td>¾</td>
<td></td>
</tr>
<tr>
<td>Steel</td>
<td>1&quot;</td>
<td></td>
</tr>
<tr>
<td>4AN-200 = RP4AN</td>
<td>2½&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;</td>
<td></td>
</tr>
<tr>
<td>4ANLF-200 = RPLF4AN</td>
<td>2½&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;</td>
<td></td>
</tr>
<tr>
<td><strong>Febco</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>825</td>
<td>2½&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;, 10&quot;</td>
<td></td>
</tr>
<tr>
<td>825D</td>
<td>2½&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;, 10&quot;</td>
<td></td>
</tr>
<tr>
<td>825Y</td>
<td>¾&quot;, 1&quot;, 1¼&quot;, 1½&quot;, 2&quot;, 2½&quot;</td>
<td></td>
</tr>
<tr>
<td>LF825Y</td>
<td>¾&quot;, 1&quot;, 1½&quot;, 2&quot;</td>
<td></td>
</tr>
<tr>
<td>825YD</td>
<td>2½&quot;, 3&quot;, 4&quot;, 6&quot;, 10&quot;</td>
<td></td>
</tr>
<tr>
<td>825YA &amp; YR</td>
<td>¾&quot;, 1&quot;, 1½&quot;, 2&quot;</td>
<td></td>
</tr>
<tr>
<td>LF825YA</td>
<td>¾&quot;, 1&quot;, 1½&quot;, 2&quot;</td>
<td></td>
</tr>
<tr>
<td>860</td>
<td>¾&quot;, 1&quot;, 1½&quot;, 2&quot;, 2½&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;</td>
<td></td>
</tr>
<tr>
<td>LF860U</td>
<td>½&quot;, ¾&quot;, 1&quot;, 1¼&quot;, 1½&quot;, 2&quot;</td>
<td></td>
</tr>
<tr>
<td>880</td>
<td>2½&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;, 10&quot;</td>
<td></td>
</tr>
<tr>
<td>880V</td>
<td>2½&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;, 10&quot;</td>
<td></td>
</tr>
<tr>
<td>LF880V</td>
<td>2½&quot;, 3&quot;, 4&quot;, 6&quot;, 8&quot;</td>
<td></td>
</tr>
</tbody>
</table>
### Reduced Pressure Principle Assemblies Continued:

<table>
<thead>
<tr>
<th>COMPANY</th>
<th>MODEL</th>
<th>SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Watts</td>
<td>990</td>
<td>4”, 6”, 8”</td>
</tr>
<tr>
<td></td>
<td>992</td>
<td>4”, 6”, 8”, 10”</td>
</tr>
<tr>
<td></td>
<td>994</td>
<td>¾”, 1”, 1½”, 2”, 2½”, 3”, 4”, 6”, 8”, 10”</td>
</tr>
<tr>
<td></td>
<td>995</td>
<td>¾”, 1”, 1¼”, 1½”</td>
</tr>
<tr>
<td></td>
<td>957</td>
<td>2½”, 3”, 4”, 6”, 8”, 10”</td>
</tr>
<tr>
<td></td>
<td>957N</td>
<td>2½”, 3”, 4”, 6”, 8”, 10”</td>
</tr>
<tr>
<td></td>
<td>957Z</td>
<td>2½”, 3”, 4”, 6”, 8”, 10”</td>
</tr>
<tr>
<td></td>
<td>967</td>
<td>2½”, 3”, 4”, 6”, 8”</td>
</tr>
<tr>
<td>Wilkins</td>
<td>375</td>
<td>¾”, 1”, 1¼”, 1½”, 2”, 2½”, 3”, 4”, 6”, 8”, 10”</td>
</tr>
<tr>
<td></td>
<td>375XL</td>
<td>½”, ¾”, 1”, 1¼”, 1½”, 2”, 2½”, 3”, 4”, 6”, 8”, 10”</td>
</tr>
<tr>
<td></td>
<td>375XLB</td>
<td>¾”, 1”, 1½”, 2”</td>
</tr>
<tr>
<td></td>
<td>375A, AR, AXL, &amp; ARXL</td>
<td>2½”, 3”, 4”, 6”, 8”, 10”</td>
</tr>
<tr>
<td></td>
<td>375AST</td>
<td>2½”, 3”, 4”, 6”, 8”, 10”</td>
</tr>
<tr>
<td></td>
<td>375ASTR</td>
<td>2½”, 3”, 4”, 6”</td>
</tr>
<tr>
<td></td>
<td>375ST</td>
<td>½”, ¾”, 1”</td>
</tr>
<tr>
<td></td>
<td>375MS &amp; XLMS</td>
<td>2½”, 3”, 4”, 6”, 8”, 10”</td>
</tr>
<tr>
<td></td>
<td>475</td>
<td>2½”, 3”, 4”, 6”, 8”, 10”</td>
</tr>
<tr>
<td></td>
<td>475XL, XLV, XLMS</td>
<td>2½”, 3”, 4”, 6”, 8”, 10”</td>
</tr>
<tr>
<td></td>
<td>475V, VMS, MS, &amp; XLVMS</td>
<td>2½”, 3”, 4”, 6”, 8”, 10”</td>
</tr>
<tr>
<td></td>
<td>575</td>
<td>¾”, 1”, 1¼”, 1½”, 2”, 2½”, 3”, 4”, 6”, 8”, 10”</td>
</tr>
<tr>
<td></td>
<td>975</td>
<td>¾”, 1”, 1¼”, 1½”, 2”, 2½”, 3”, 4”, 6”, 8”, 10”</td>
</tr>
<tr>
<td></td>
<td>975A</td>
<td>¾”, 1”, 1¼”, 1½”, 2”</td>
</tr>
</tbody>
</table>
### SCDHEC

**LIST OF APPROVED BACKFLOW PREVENTION ASSEMBLIES**

**PRESSURE VACUUM BREAKERS**

PVB’s are approved for use when protecting the potable water system from backsiphonage only when a health hazard or non-health hazard is involved. The term “health hazard” shall mean an actual or potential threat of contamination or pollution of a physical or toxic nature to the potable water system or the consumer’s potable water system to such a degree of intensity that there would be a danger to health. It is very important to understand that the PVB is **not** designed for backpressure. Also, the PVB must be installed 12” above any downstream plumbing.

<table>
<thead>
<tr>
<th>COMPANY</th>
<th>MODEL</th>
<th>SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ames</td>
<td>A200</td>
<td>½”, ¾”, 1”, 2”</td>
</tr>
<tr>
<td>Buckner</td>
<td>24199 thru 24204</td>
<td>½”, ¾”, 1”, 1¼”, 1½”, 2”</td>
</tr>
<tr>
<td></td>
<td>24199/25 thru 24204/25</td>
<td>½”, ¾”, 1”, 1¼”, 1½”, 2”</td>
</tr>
<tr>
<td>Conbraco/Apollo</td>
<td>(40-503-02 thru 40-508-02 = ½”, ¾”, 1”, 1¼”, 1½”, 2”</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4A50302 thru 4A50802</td>
<td>½”, ¾”, 1”, 1¼”, 1½”, 2”</td>
</tr>
<tr>
<td></td>
<td>PVB4V</td>
<td>½”, ¾”, 1”, 1¼”, 1½”, 2”</td>
</tr>
<tr>
<td></td>
<td>PVB4A</td>
<td>½”, ¾”, 1”, 1¼”, 1½”, 2”</td>
</tr>
<tr>
<td>Febco</td>
<td>765</td>
<td>½”, ¾”, 1”, 1¼”, 1½”, 2”</td>
</tr>
</tbody>
</table>
### Flomatic
- **PVB**
  - Flomatic PVB
  - ¾", 1"

### Rain Bird
- **PVB-075-R thru 200-R**
  - Rain Bird PVB-075-R thru 200-R
  - ¾", 1", 1¼", 1½", 2"

### Watts
- **800QT**
  - Watts 800QT
  - ¾", 1", 1¼", 1½", 2"
- **800MQT**
  - Watts 800MQT
  - ½", ¾"
- **800CMQT**
  - Watts 800CMQT
  - ½", ¾"
- **800M2QT**
  - Watts 800M2QT
  - ½", ¾", 1", 1¼", 1½", 2"
- **800M3QT**
  - Watts 800M3QT
  - ½", ¾"
- **800M4FR**
  - Watts 800M4FR
  - ½", ¾", 1", 1¼", 1½", 2"
- **800M4QT**
  - Watts 800M4QT
  - ½", ¾", 1", 1¼", 1½", 2"

### Wilkins
- **720A**
  - Wilkins 720A
  - ½", ¾", 1", 1¼", 1½", 2"
- **420**
  - Wilkins 420
  - ½", ¾", 1"
- **420XL**
  - Wilkins 420XL
  - ½", ¾"
- **460**
  - Wilkins 460
  - 3/8", ½", ¾", 1"
- **460XL**
  - Wilkins 460XL
  - 3/8", ½", ¾", 1"
**BACKFLOW EQUIPMENT REPRESENTATIVES**

<table>
<thead>
<tr>
<th>Company</th>
<th>Representative(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conbraco / Apollo</td>
<td>Mr. Jim Moore / Mr. M. C. Sorrell / Mr. Bob Buddo</td>
</tr>
<tr>
<td></td>
<td>Pro Marketing, Inc / Lewis Marketing</td>
</tr>
<tr>
<td></td>
<td>110 Corporate Dr / Suite L</td>
</tr>
<tr>
<td></td>
<td>Spartanburg SC 29303</td>
</tr>
<tr>
<td></td>
<td>864-578-4334 / 843-340-4784</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Backflow Direct - Deringer</td>
<td>Watts &amp; Ames / Mr. Joel Golmont / Mr. Mike Davis</td>
</tr>
<tr>
<td></td>
<td>Mr. Brad Scott</td>
</tr>
<tr>
<td></td>
<td>3290 Monier Circle #300</td>
</tr>
<tr>
<td></td>
<td>Rancho Cordova CA 95742</td>
</tr>
<tr>
<td></td>
<td>916-760-4524 / 800-225-9895 / 704-525-3388</td>
</tr>
<tr>
<td></td>
<td><a href="mailto:brad@backflowdirect.com">brad@backflowdirect.com</a></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>BAVCO</td>
<td>Wilkins</td>
</tr>
<tr>
<td></td>
<td>Mr. Jim Purzycki</td>
</tr>
<tr>
<td></td>
<td>20435 South Susana Rd</td>
</tr>
<tr>
<td></td>
<td>Long Beach, CA 90810</td>
</tr>
<tr>
<td></td>
<td>800-458-3492 / 310-639-5231</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>ARI</td>
<td>Flomatic</td>
</tr>
<tr>
<td></td>
<td>Mr. Michael McKinney</td>
</tr>
<tr>
<td></td>
<td>McKinney &amp; Associates Inc</td>
</tr>
<tr>
<td></td>
<td>108 Brady Ct</td>
</tr>
<tr>
<td></td>
<td>Cary NC 27511</td>
</tr>
<tr>
<td></td>
<td>919-467-9951 / 704-504-3111</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>American Backflow Products</td>
<td>Cash-Acme / Flomatic</td>
</tr>
<tr>
<td></td>
<td>Mr. Mark Inman</td>
</tr>
<tr>
<td></td>
<td>7580-A West Tennessee Street</td>
</tr>
<tr>
<td></td>
<td>Tallahassee, FL 32303</td>
</tr>
<tr>
<td></td>
<td>800-575-9618 / 850-576-1814</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mr. Steve Fox, Cross Connection Control Program Coordinator</td>
</tr>
<tr>
<td></td>
<td>SCDHEC / Bureau of Water</td>
</tr>
<tr>
<td></td>
<td>2600 Bull Street</td>
</tr>
<tr>
<td></td>
<td>Columbia, SC 29201</td>
</tr>
<tr>
<td></td>
<td>803-898-4426 phone or 803-898-3795 fax</td>
</tr>
<tr>
<td></td>
<td>Email: <a href="mailto:foxsc@dhec.sc.gov">foxsc@dhec.sc.gov</a></td>
</tr>
</tbody>
</table>

If you should have any questions concerning this list or need any assistance concerning backflow prevention or cross connection control, please call or write:

Mr. Steve Fox, Cross Connection Control Program Coordinator  
SCDHEC / Bureau of Water 
2600 Bull Street 
Columbia, SC 29201 
803-898-4426 phone or 803-898-3795 fax 
Email: foxsc@dhec.sc.gov

SCDHEC backflow web page:  
http://www.scdhec.gov/environment/WaterQuality/DrinkingWater/CrossConnectionControl/