

## City of Asheville Water Resources Department

### LIST OF APPROVED BACKFLOW PREVENTION ASSEMBLIES

**Note:** All assemblies approved for use in the City of Asheville Water System must have prior approval by Foundation for Cross-Connection Control and Hydraulic Research, University of Southern California (USC). Type of assembly to be used shall be in accordance with the degree of hazard classification.

#### **1. DOUBLE CHECK VALVE ASSEMBLIES**

**Only to be used on moderate hazard metered connections**

**HAZARD TO BE DETERMINED BY WATER RESOURCES DEPARTMENT**

**Maximum working pressure 175 psi for all makes/models**

**A pressure reducing valve (PRV) must be installed prior to the assembly if a system pressure exceeds 175 psi. Check with Cross-Connection Office for proper orientation of assemblies**

#### **Ames Company, Inc.**

Model 2000-DC - 10"  
Model 2000-DCA - 4", 6", 8"  
Model 2000-G-DC - 10"  
Model 2000-G-DCA - 4", 6", 8"  
Model 2000B - ½", ¾", 1", 1¼", 1½", 2"  
Model 2000B-FP - ¾", 1", 1¼", 1½", 2"  
Model 2000BM3; 2000BM3-FP - ¾"  
Model 2000CIV - 4", 6", 8", 10"  
Model 2000SE - 2½", 6", 8"  
Model 2000SS - ¾", 1", 1¼", 1½", 2", 2½", 3", 4", 6", 8", 10", 12"  
Model 2000SS-M - 4", 6"  
Model 200B - ½", ¾", 1", 1¼", 1½", 2"  
Model 200B R10 - ½", ¾"  
Model 200B-A - ½", 1", 1¼", 1½", 2"  
Model Colt 200- 2½", 3", 4", 6", 8", 10"  
Model Colt 200 -a, Na, N, NOSY/NRS - 2½", 3", 4", 6"  
Model Colt 200N - 10"  
Model DC - 4", 6", 8"  
Model LF200B - 1", 1¼", 1½", 2"  
Model LF200B R10 - ½", ¾"  
Model LF200B-A - 1", 1¼", 1½", 2"  
Model LFU200B - 1", 1¼", 1½", 2"  
Model Maxim 200- 2½", 3", 4", 6", 8", 10"  
Model Maxim 200 -a, Na, N, NOSY/NRS - 2½", 3", 4"  
Model Maxim 200N - 8"  
Model U200B - 1", 1¼", 1½", 2"  
Model U200BR10 - ½", ¾"

#### **Apollo/Conbraco Industries, Inc.**

Model ½ DC - ½"  
Model 10DC - 10"  
Model 2 1/2DC - 2 ½"

**Apollo/Conbraco Industries, Inc. (cont.)**

Model 2 1/2DC-7 – 2 1/2”  
Model 2 1/2DC8 – 2 1/2”  
Model 2 1/2DCU – 2 1/2”  
Model 3DC – 3”  
Model 3DC7 – 3”  
Model 3DC8 – 3”  
Model 3DCU – 3”  
Model 4D-100, U – 2 1/2”, 3”, 4”  
Model 4D-200, U – 2 1/2”, 3”, 4”  
Model 40-100-02 – 3”  
Model 40-100-03 – 3”  
Model 40-100-05 – 3”  
Model 40-103-02 – 1/2”  
Model 40-104-02; -A2; -A2T; -T2; -TC2 – 3/4”  
Model 40-105-02; -A2; -A2T; -T2; -TC2 – 1”  
Model 40-106-02; -A2; -A2T; -T2 – 1 1/4”  
Model 40-107-02; -A2; -A2T; -T2 – 1 1/2”  
Model 40-108-02; -A2; -A2T; -T2 – 2”  
Model 40-109-02; -03; -05 – 2 1/2”  
Model 40-10A-02; -03; -05; -06 – 4”  
Model 40-10C-02; -03; -05; -06 – 6”  
Model 40-10E-02; -03; -06 – 8”  
Model 40-10G-02; -03; -06 – 10”  
Model 4DC; 4DC7; 4DC8; 4DCU – 4”  
Model 4S103 – 1/2”  
Model 4SG-100; -100U – 2 1/2”, 3”, 4”, 6”, 8”  
Model 6DC; -6DC7; -6DC8; -6DCU – 6”  
Model 8DC; 8DC8 – 8”  
Model DC4A; - 1/2”, 3/4”, 1”, 1 1/4”, 1 1/2”, 2”  
Model DCLF4A; - 1/2”, 3/4”, 1”, 1 1/4”, 1 1/2”, 2”

Model DC 500 – 3/4”, 1”

**ARI**

Model DCV – 3/4”, 1”, 1 1/2”, 2”

**Cash Acme**

Model D4 – 2 1/2”, 3”, 4”, 6”, 8”, 10”

**Cla-Val**

Model 750 – 2 1/2”, 3”, 4”, 6”, 8”, 10”

Model 750N – 2 1/2”, 3”, 4”, 6”

Model 805Y – 3/4”, 1”, 1 1/2”, 2”

Model 805YB – 3/4”

Model 805YD – 2 1/2”, 3”, 4”, 6”, 8”, 10”

Model 805YR – 3/4”, 1”

Model 850 – 1/2”, 3/4”, 1”, 1 1/4”, 1 1/2”, 2”, 2 1/2”, 3”, 4”, 6”, 8”

Model 850F – 3/4”

Model 850U -- 1/2”, 3/4”, 1”, 1 1/4”, 1 1/2”, 2”

**Febco**

Appendix A12

Approved Backflow Prevention Assemblies

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### Febco (cont.)

Model 857 – 2 1/2", 3"  
Model 870/870V – 2 1/2", 3", 4", 6", 8", 10"  
Model LF850 – 3/4", 1", 1 1/4", 1 1/2", 2"

### Flomatic

Model DCV – 3/4", 1 1/2", 2", 2 1/2", 3", 4", 6", 8"  
Model DCVE - 3/4", 1", 1 1/2", 2"

### Hersey

Model 2 – 3", 4", 6", 8", 10"

### Watts Regulator Company

Model 007 – 2 1/2", 3"  
Model 007M1-FP – 1", 2"  
Model 007M1PCQT - 3/4", 1", 1 1/2", 2"  
Model 007M1QT – 3/4", 1", 1 1/2", 2"  
Model 007M2PCQT; 007M2-FP – 1 1/4", 1 1/2"  
Model 007M2QT – 3/4", 1 1/4", 1 1/2"  
Model 007M3QT; 007M3-FP – 3/4"  
Model 007PCQT – 1/2", 1 1/2", 2"  
Model 007QT – 1/2", 3/4", 1", 1 1/2", 2"  
Model 007SSM1PCQT; 007SSM1QT – 3/4", 1"  
Model 007SSPCQT – 1 1/2", 2"  
Model 007SSQT – 3/4", 1", 1 1/2", 2"  
Model 700; 709BB – 2 1/2", 3"  
Model 709 – 2 1/2", 3", 4", 6", 8", 10"  
Model 709QT – 3/4", 1", 1 1/2", 2"  
Model 709QT-FDA – 2 1/2", 3", 4", 6", 8", 10"  
Model 719AQT – 1/2", 1", 1 1/4", 1 1/2", 2"  
Model 719QT – 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"  
Model 719QTR10 – 1/2", 3/4",  
Model 757 - 2 1/2", 3", 4", 6", 8", 10"  
Model 757a; 757Na; 757N; 757NOSY/NRS – 2 1/2", 3", 4", 6"  
Model 757NQT, QT, - 2 1/2", 3", 4"  
Model 757N – 10"  
Model 767 – 2 1/2", 3", 4", 6", 8", 10"  
Model 767a; 767na; 767N; 767NOSY/NRS – 2 1/2", 3", 4"  
Model 767N – 8"  
Model 770; 770QTFDA – 4", 8"  
Model 772 – 4", & 10"  
Model 774 - 2 1/2", 3", 4", 6", 8", 10", 12"  
Model 774X – 2 1/2", 6", 8"  
Model 775QT – 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"  
Model LF007 – 2 1/2", 3"  
Model LF007M1QT – 1", 2"  
Model LF007M2QT – 1 1/4", 1 1/2",  
Model LF007M3QT – 3/4",  
Model LF007QT – 1/2"  
Model LF709 – 2 1/2", 3", 8", 10"  
Model LF719AQT; LF719QT – 1", 1 1/4", 1 1/2", 2"

### Watts Regulator Company (cont.)

Model LF719QTR10 – ½”, ¾”  
Model LFU719QT – 1”, 1 ¼”, 1 ½”, 2”  
Model SS007M1QT – 1”  
Model SS007M3QT – ½”, ¾”  
Model U007M1APCQT; U007M1AQT – ¾”, 2”  
Model U007M1PCQT; U007M1QT; U007PCQT; U007SSPCQT; U007SSQT – ¾”, 1”, 1 ½”, 2”  
Model U007QT – ½”, ¾”, 1”, 1 ½”, 2”  
Model U007M2AQT – 1 ½”  
Model U007M2QT – 1 ¼”, 1 ½”  
Model U719QT – 1”, 1 ¼”, 1 ½”, 2”  
Model U719QTR10 – ½”, ¾”

### Wilkins/Zurn Company

Model 350; 350XL – ¾”, 1”, 1 ¼”, 1 ½”, 2”, 2½”, 3”, 4”, 6”, 8”, 10”, 12”  
Model 350A; AXL – 2½”, 3”, 4”, 6”, 8”, 10”  
Model 350AR; ARXL – 2 ½”, 3”, 4”, 6”, 8”, 10”  
Model 350AST; - 2 ½”, 3”, 4”  
Model 350D – ¾”  
Model 450; 450XL – 2½”, 3”, 4”, 6”, 8”, 10”  
Model 550 – ¾”, 1”, 1 ¼”, 1 ½”, 2”, 2½”, 3”, 4”, 6”  
Model 550A – ¾”, 1”  
Model 550M – 8”, 10”  
Model 950 – ¾”, 1”, 1¼”, 1½”, 2”, 2½”, 3”, 4”, 6”, 8”, 10”  
Model 950A; 950XL; 950XLT; 950XLT2 – ¾”, 1”, 1 ¼”, 1 ½”, 2”  
Model 950XLD – ¾”  
Model 950XLTU – ¾”, 1”  
Model 950XLU – ¾”, 1 ½”, 2”

## **2. REDUCED PRESSURE PRINCIPLE ASSEMBLIES**

### To be used on high hazard metered connections

### Maximum working pressure 175 psi for all makes/models

**A pressure reducing valve (PRV) must be installed prior to the assembly if a system pressure exceeds 175 psi. Check with Cross-Connection Office for proper orientation of assemblies**

### Ames Company, Inc.

Model 4000B - ½”, ¾”, 1”, 1 ¼”, 1 ½”, 2”  
Model 4000B-FP – ¾”, 1”, 1 ¼”, 1 ½”, 2”  
Model 4000BM2; 4000BM2-FP - 1”  
Model 4000BM3; 4000BM3-FP - ¾”  
Model 4000CIV - 2 ½”, 3”, 4”, 6”, 8”, 10”  
Model 4000RP - 4”, 6”, 8”, 10”  
Model 4000SS – 2 ½”, 3”, 4”, 6”  
Model 400B; 400B-A; 400B-Z - ¾”, 1”, 1 ¼”, 1 ½”, 2”  
Model Colt 400 - 2 ½”, 3”, 4”, 6”, 8”, 10”  
Model Colt 400BF - 4”, 6”  
Model Colt 400N, Z - 2 ½”, 3”, 4”  
Model Maxim 400 - 2 ½”, 3”, 4”, 6”, 8”, 10”

**Apollo/Conbraco Industries, Inc.**

Model Maxim 400N; Z - 2 1/2", 3"  
Model U400B; U400B-A - 3/4", 1", 1 1/4", 1 1/2", 2"  
Model 4D-200, U - 2 1/2", 3", 4"  
Model 4020 002, 003, 005 - 3"  
Model 4020 102, 1A2, 1T2, 1T2S - 1/4"  
Model 4020 202, 2A2, 2T2, 2T2S - 3/8"  
Model 4020 302, 3A2, 3T2, 3T2S - 1/2"  
Model 4020 402, 4A2, 4T2, 4T2S, 4T2U, 4T2Z, 4TC2, 4TCU - 3/4"  
Model 4020 502, 5A2, 5T2, 5T2S, 5TC2, 5T2U, 5T2Z, 5TCU - 1"  
Model 4020 602, 6A2, 6T2, 6T2U, 6T2Z - 1 1/4"  
Model 4020 702, 7A2, 7T2, 7T2U, 7T2Z - 1 1/2"  
Model 4020 802, 8A2, 8A4, 8T2, 8T2U, 8T2Z - 2"  
Model 4020 902, 903, 905 - 2 1/2"  
Model 4020A 02, 03, 05 - 4"  
Model 4020C 02, 03, 05 - 6"  
Model 4020E 02, 03 - 8"  
Model 4020G 02, 03, - 10"  
Model RP4A; - 1/2", 3/4", 1", 2"  
Model RPLF4A; - 1/2", 3/4", 1", 2"

**ARI**

RP 500 - 3/4", 1"

**Cash Acme**

Model RPZII - 1/2", 3/4"  
Model RPZ - 3/4", 1", 1 1/2", 2"

**Cla-Val**

Model RP4 - 2 1/2", 3", 4", 6", 8", 10"

**Febco**

Model 760 - 2 1/2", 3", 4", 6", 8", 10"  
Model 760N; 760Z - 2 1/2", 3", 4"  
Model 825Y - 3/4", 1", 1 1/4", 1 1/2", 2"  
Model 825YA; YAR, YR - 3/4", 1", 1 1/2", 2"  
Model 825YD - 2 1/2", 3", 4", 6", 8", 10"  
Model 860 - 1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 2 1/2", 3", 4", 6", 8"  
Model 860U - 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"  
Model 867 - 2 1/2", 3",  
Model 880; 880V - 2 1/2", 3", 4", 6", 8", 10"  
Model LF825Y, YA - 3/4", 1", 1 1/2", 2"  
Model LF860 - 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"

**Flomatic**

Model RPZ 3/4", 1", 1 1/2", 2", 2 1/2", 3", 4", 6", 8"  
Model RPZE 3/4", 1", 1 1/2", 2"  
Model RPZE II; RPZII - 1/2", 3/4"

**Watts Regulator Company**

Model 009 - 2 1/2", 3"  
Model 009QT - 1/4", 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"  
Model 009M1QT M1PCQT, - 1 1/4", 1 1/2", 2"  
Model 009M2QT, M2PCQT, SSPCQT, SSQT - 3/4", 1", 1 1/4", 1 1/2", 2"

### Watts Regulator Company (cont.)

Model 009M2-FP – 1", 1 ¼", 1 ½", 2"  
Model 009M3QT; 009M3-FP - ¾"  
Model 009SSM1QT, SSM1PCQT - 2"  
Model 009PCQT - ½", ¾", 1", 1 ¼", 1 ½", 2"  
Model 909 - 3", 4", 6", 8", 10"  
Model 909BB - 2 ½", 3"  
Model 909M1, M1QTFDA - 8", 10"  
Model 909M1HWQT, M1PCHWQT, M1QT, PCM1QT – 1 ¼", 1 ½", 2"  
Model 909QTFDA - 2 ½", 3", 4", 6"  
Model 909QT, PCQT, HWQT, PCHWQT, - ¾", 1  
Model 919AQT, QT, ZQT – ¾", 1", 1 ¼", 1 ½", 2"  
Model 957 - 2 ½", 3", 4", 6", 8", 10"  
Model 957BF - 4", 6"  
Model 957N, NQT, QT, Z, ZQT, - 2 ½", 3", 4"  
Model 967 – 2 ½", 3", 4", 6", 8", 10"  
Model 967N, 967Z - 2 ½", 3"  
Model 990, QTFDA - 4", 8"  
Model 992 - 4", 10"  
Model 994 – 2 ½", 3", 4", 6"  
Model 995QT - ½", ¾", 1", 1 ¼", 1 ½"  
Model FAE909HWQT, QT, 1 ¼", 1 ½", 2"  
Model LF009 – 2 ½", 3"  
Model LF009M2QT - 1", 1 ¼", 1 ½", 2"  
Model LF009M3QT - ¾"  
Model LF009QT – ½"  
Model LF909 – 2 ½", 3"  
Model LF909M1 – 8", 10"  
Model LF909M1QT – 1 ¼", 1 ½", 2"  
Model LF909QT – ¾", 1"  
Model LF919AQT, QT, ZQT, – ¾", 1", 1 ¼", 1 ½", 2"  
Model LFU919AQT, QT, - ¾", 1", 1 ¼", 1 ½", 2"  
Model SS009M3QT - ¼", 3/8", ½", ¾"  
Model SS009QT - 1"  
Model U009AQT, APCQT, - ¾", 1"  
Model U009M1APCQT, M1AQT – 1 ½", 2"  
Model U009M1QT, M1PCQT - 1 ¼", 1 ½", 2"  
Model U009M2QT - ¾", 1", 1 ½", 2"  
Model U009M2AQT, M2PCQT, M2APCQT - 1", 1 ½", 2"  
Model U009PCQT, QT – ½", ¾", 1", 1 ¼", 1 ½", 2"  
Model U009SSQT, SSPCQT - ¾", 1", 1 ¼", 1 ½", 2"  
Model U909HWQT, QT - ¾", 1"  
Model U919AQT – ¾", 1", 1 ¼", 1 ½", 2"  
Model U919QT – 1", 1 ¼", 1 ½", 2"

### Wilkins/Zurn Company

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

### Wilkins/Zurn Company (cont.)

Model 375AR; ARXL – 2 ½”, 3”, 4”, 6”, 8”, 10”  
Model 375AXL – 2 ½”, 3”, 4”, 6”, 8”, 10”  
Model 375MS - 2 ½”, 3”, 4”, 6”, 8”, 10”  
Model 375ST – 1”  
Model 375XL – ½”, ¾”, 1”, 1 ¼”, 1 ½”, 2”, 2 ½”, 3”, 4”, 6”, 8”, 10”  
Model 375XLMS – 2 ½”, 3”, 4”, 6”, 8”, 10”  
Model 475, MS, V, VMS - 2 ½”, 3”, 4”, 6”, 8”, 10”  
Model 475XL, XLMS, XLV, XLVMS – 2 ½”, 3”, 4”, 6”, 8”, 10”  
Model 575 – ¾”, 1”, 2 ½”, 3”, 4”, 6”  
Model 575 (MOD-III) – 1 ¼”, 1 ½”, 2”  
Model 575A – ¾”, 1”  
Model 575M10 – 10”  
Model 575M8 – 8”  
Model 975 - ¾”, 1, 1 ¼”, 1 ½”, 2” 2 ½”, 3”, 4”, 6”, 8”, 10”  
Model 975A - ¾”, 1”, 1 ¼”, 1 ½”, 2”  
Model 975BMS, 975MS - 2 ½”, 3”, 4”, 6”, 8”, 10”  
Model 975XL - ¼”, 3/8”, ½”, ¾”, 1”, 1 ¼”, 1 ½”, 2”  
Model 975XBMS, XLMS, XLSE, XLSEU - ¾”, 1”, 1 ¼”, 1 ½”, 2”  
Model 975XL2 – ¼”, 3/8”, ½”, ¾”, 1”, 1 ¼”, 1 ½”, 2”  
Model 975XL2BMS; MS – 3/4”, 1”, 1 ¼”, 1 ½”, 2”  
Model 975XL2SEU; - ¾”, 1”  
Model 975XL2TCU – ½”, ¾”, 1”, 1 ¼”, 1 ½”, 2”  
Model 975XLD - ¾”  
Model 975XLST – 3/8”, ½”  
Model 975XLTCU – ½”, ¾”, 1”, 1 ¼”, 1 ½”, 2”  
Model 975XLU – ¾”, 1”, 1 ½”, 2”  
Model 975XLV – ¾”, 1”

### **3. APPROVAL LIST FOR FIRE PROTECTION SERVICES ON UN-METERED FIRE LINES:**

**All connections for fire sprinkler systems with UN-METERED dedicated fire lines connected with the public water supply shall be protected with an approved double check detector assembly as a minimum requirement.\***

**\*All fire systems class 2 and above including systems utilizing antifreeze/chemical additives, on site water tanks or reservoirs, booster pumps (such as fire department connections [FDC]), or any systems that serve buildings with 5 or more stories above ground shall be considered as a high hazard and will protected by an approved reduced pressure principal detector assembly.**

**All approved assemblies are designed and tested to operate at a maximum pressure of 175 psi. A pressure reducing valve (PRV) must be installed prior to the assembly if a system pressure exceeds 175 psi. As a minimum a single swing check will be required immediately before all Reduce Pressure Principle Assemblies.**

**\*All pressure reducing valves installed on fire systems must be UL or FM rated for fire protection service by the manufacturer and designed to fail to the open position.**

**All backflow assemblies used in the City Of Asheville’s Water System for fire protection must be approved by and installed in a manner approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California (USC). Additionally all shutoff valves on backflow assemblies for use on sprinkler systems must be approved by and installed in a manner approved by Factory Mutual (FM). The**

list below is not exhaustive. Please check with the manufacturer as to updates on USC and FM approvals.\*

All assemblies installed on dedicated UN-METERED fire lines must have a detector assembly/meter bypass line with remote reading capabilities.\*

\*Detector Meters must measure in cubic feet, have an eight digit meter number, and have radio reading capabilities compatible with the City of Asheville meter reading equipment.

On the list below DCDA denotes double check detector assemblies. RPDA denotes reduced pressure detector assemblies.

Note: For Master metered fire/domestic combo setups please see section 1 (moderate) or 2 (high) of this appendix for correct assembly selection for fire systems based on hazard list above.

### Ames Company, Inc.

#### DCDA

Model 3000B; 3000B-FP - 2"  
Model 3000CIV - 4", 6", 8", 10"  
Model 3000 - 4", 6", 8", 10"  
Model 3000G - 4", 6", 8", 10"  
Model 3000SE - 2 ½", 6", 8"  
Model 3000SEA - 8"  
Model 3000SEWM1 - 6"  
Model 3000SS - 2½", 3", 4", 6", 8", 10", 12"  
Model 3000SSA - 6"  
Model 3000SSM - 4", 6"  
Model 3000SSWM1 - 2 ½", 3", 4"  
Model 3000-1SS - 12"  
Model Colt300aBF; Colt300aGV; Colt300NBF; Colt300NGV; Colt300NOSY/NRS - 2½", 3", 4", 6"  
Model Colt300BF; Colt300GV - 2 ½", 3", 4", 6", 8", 10"  
Model DCDC - 4", 6", 8"  
Model Maxim300aBF; 300AGV; 300NBF; 300NGV; 300NOSY/NRS - 2½", 3", 4"  
Model Maxim 300BF; Maxim300GV - 2 ½", 3", 4", 6", 8", 10"

#### RPDA

Model 5000 - 4", 6", 8", 10"  
Model 5000CIV - 2 ½", 3", 4", 6", 8", 10"  
Model Colt 500-GV - 2 ½", 3", 4", 6"  
Model Colt500NGV; Colt500NOSY/NRS - 3", 4"  
Model Maxim500GV - 2 ½", 3", 4"  
Model Maxim500NBF - 3"  
Model Maxim500NGV; Maxim500NOSY/NRS - 2 ½", 3"

### Apollo/Conbraco Industries, Inc.

#### DCDA

Model 2 1/2DCDA; A6; A7; A8; AU; - 2 ½"  
Model 3DCDA; A6; A7; A8; AU; - 3"  
Model 4DCDA; A6; A7; A8; AU; - 4"  
Model 4SG-600; 4SG-600U - 2 12", 3", 4", 6", 8"  
Model 6DCDA; A6; A7; A8; AU; - 6"  
Model 8DCDA; A7; A8; - 8"

**Apollo/Conbraco Industries, Inc. (cont.)**

Model 10DCDA - 10"  
Model 40600C3; E3; - 3"  
Model 4060AC3; AC6; AE3; AE6; - 4"  
Model 4060CC3; CC6; CE3; CE6; - 6"  
Model 4060EC3; EC6; EE3; EE6; - 8"  
Model 4060GC3; GC6; GE3; GE6; - 10"

**RPDA**

Model 40700C3, E3 – 3"  
Model 4070AC3, AE3 – 4"  
Model 4070CC3, CE3 – 6"  
Model 4070EC3, EE3 – 8"  
Model 4070GC3, GE3 – 10"

**Cla-Val**

**RPDA**

Model 18-4 – 10"

**Febco**

**DCDA**

Model 806YD - 3", 4", 6", 8", 10"  
Model 856 - 2½", 3", 4", 6", 8"  
Model 858 - 2", 2 ½", 3"  
Model 876 - 2½", 3", 4", 6", 8", 10"  
Model 876V - 2½", 3", 4", 6", 8", 10"

**RPDA**

Model 826YD – 2 ½", 3", 4", 6", 8", 10"

**Watts Regulator Company**

**DCDA**

Model 007DCDA – 2", 2 ½", 3"  
Model 007DCDA-FP – 2"  
Model 709DCDA - 3", 4", 6", 8", 10"  
Model 757aDCDABF - 2½", 3", 4", 6"  
Model 757aDCDAGV - 2½", 3", 4", 6"  
Model 757DCDABF - 2 ½", 3", 4", 6", 8", 10"  
Model 757DCDAGV - 2½", 3", 4", 6", 8", 10"  
Model 757NDCDABF; 757NDCDAGV; 757NDCDAOSY/NRS – 2 ½", 3", 4", 6"  
Model 767aDCDABF - 2½", 3", 4"  
Model 767aDCDAGV - 2½", 3", 4"  
Model 767NDCDABF; 767NDCDAOSY/NRS – 2 ½", 3", 4"  
Model 767DCDABF - 2 ½", 3", 4", 6", 8", 10"  
Model 767DCDAGV - 2½", 3", 4", 6", 8", 10"  
Model 770DCDA - 4", 8"  
Model 772DCDA - 4", 10"  
Model 774DCDA - 2½", 3", 4", 6", 8", 10", 12"  
Model 774DCDA-1 – 12"  
Model 774XDCDA - 2½", 6", 8"

**RPDA**

### Watts Regulator Company (cont.)

Model 009OSY RPDA - 4" & 6"  
Model 009NRSRPDA - 4", 6"  
Model 909 RPDA - 2½", 3", 4", 6", 8", 10"  
Model 009NRSRPDA - 4", 6"  
Model 009OSYRPDA - 4", 6"  
Model 990RPDA - 2 ½", 3", 4", 6", 8", 10"  
Model 957RPDA-GV - 2 ½", 3", 4", 6"  
Model 957NRPDA-BF - 3", 4"

#### RPDA

Model 957NRPDA-GV; 957NRPDA-OSY/NRS - 2 ½", 3", 4"  
Model 967RPDA-GV - 2 ½", 3", 4"  
Model 967NRPDA-BF - 3"  
Model 967NRPDA-GV; 967NRPDA-OSY/NRS - 2 ½", 3"  
Model 990RPDA - 4", 8"  
Model 992RPDA - 4", 10"

### Wilkins/Zurn Company

#### DCDA

Model 350ADA; ADAR - 2½", 3", 4", 6", 8", 10"  
Model 350DA - 2½", 3", 4", 6", 8", 10", 12"  
Model 450DA - 4", 6", 8", 10"  
Model 950DA - 2½", 3", 4", 6", 8", 10"  
Model 950XLTD; BF - 2"  
Model DCDA - 2 ½", 3", 4", 6"

#### RPDA

Model 375ADA; ADAR; DA - 2 ½", 3", 4", 6", 8", 10"  
Model 475DA, DAV - 4", 6", 8"  
Model 975DA - 2½", 3", 4", 6", 8", 10"

#### **4. RESIDENTIAL SPRINKLER CONNECTIONS:**

**All un-metered residential fire sprinkler connections with the public water system shall be protected with an approved double check detector check valve assembly as a minimum requirement. All un-metered residential fire systems using any antifreeze or chemical additives, booster pumps (such as fire department connections [FDC]), or water tanks or reservoirs shall be protected by an approved reduced pressure principal detector assembly as outlined in item 3. All assemblies used on un-metered residential fire sprinkler systems must have a detector meter with remote reading capabilities.**

**\*Detector Meters must measure in cubic feet, have an eight digit meter number, and have radio reading capabilities compatible with the City of Asheville meter reading equipment.**

**The minimum size backflow prevention assembly allowed for this type of fire connection is a two-inch diameter.**

**All metered residential fire sprinkler systems may require backflow depending on design and type of system. If a backflow prevention device is required it shall be installed within 15 feet of the meter on**

**the fire line branch.**