

**FORT LEWIS
CROSS CONNECTION CONTROL PROGRAM**

**SECTION 7: APPROVED BACKFLOW PREVENTION
ASSEMBLIES, WASHINGTON STATE DEPT. OF
HEALTH, JULY 1995**

**WASHINGTON STATE DEPARTMENT OF HEALTH
DRINKING WATER PROGRAM**

P.O. Box 47822
Olympia, Washington 98504-7822
Telephone: (360) 664-8096

July 1995

**BACKFLOW PREVENTION ASSEMBLIES APPROVED FOR INSTALLATION
IN WASHINGTON STATE**

This List Replaces All Previous Listings*

DOUBLE CHECK VALVE BACKFLOW PREVENTION ASSEMBLIES**

Ames	+Model DC	Sizes: 4", 6", 8"
	+Model 2000 DC	Sizes: 10"
	➤➤(Formerly Model DC)	
	Model 2000 G DC	Sizes: 10"
	➤➤(Formerly Model DC)	
	Model 2000 DCA	Sizes: 4", 6", 8"
	➤➤(Formerly Model DCA)	
	Model 2000 G DCA	Sizes: 4", 6", 8"
	➤➤(Formerly Model DCA)	
	Model 2000 SS	Sizes: ¾", 1", 2½", 3", 4", 6"
Model 2000 SS-M	Sizes: 4", 6"	
Model 2000 SE	Sizes: 6", 8"	
Beeco	(See Hersey/Grinnell)	
Buckner	<u>+ Model 24100</u>	<u>Sizes: ¾"</u>
	<u>+ Model 24101</u>	<u>Sizes: 1"</u>
	<u>+ Model 24102</u>	<u>Sizes: 1¼"</u>
	<u>+ Model 24103</u>	<u>Sizes: 1½"</u>
	<u>+ Model 24104</u>	<u>Sizes: 2"</u>
	<u>+ Model 24100/25</u>	<u>Sizes: ¾"</u>
	<u>+ Model 24101/25</u>	<u>Sizes: 1"</u>
	<u>+ Model 24102/25</u>	<u>Sizes: 1¼"</u>
	<u>+ Model 24103/25</u>	<u>Sizes: 1½"</u>
	<u>+ Model 24104/25</u>	<u>Sizes: 2"</u>
Cla-Val	Model D2	Sizes: ¾", 1", 1¼", 1½"
	Model D4	Sizes: 2", 2½", 3", 4", 6", 8", 10"

Double Check Valve Backflow Prevention Assemblies (Continued)**

Conbraco	Model 40-100-02	Sizes: 3"
	Model 40-100-03	Sizes: 3"
	<u>Model 40-103-02</u>	<u>Sizes: ½"</u>
	Model 40-104-02	Sizes: ¾"
	Model 40-104-A2	Sizes: ¾"
	Model 40-104-A2T	Sizes: ¾"
	Model 40-105-02	Sizes: 1"
	Model 40-105-A2	Sizes: 1"
	Model 40-105-A2T	Sizes: 1"
	Model 40-106-02	Sizes: 1¼"
	Model 40-106-A2	Sizes: 1¼"
	Model 40-106-A2T	Sizes: 1¼"
	Model 40-107-02	Sizes: 1½"
	Model 40-107-A2	Sizes: 1½"
	Model 40-107-A2T	Sizes: 1½"
	Model 40-108-02	Sizes: 2"
	Model 40-108-A2	Sizes: 2"
	Model 40-108-A2T	Sizes: 2"
	Model 40-109-02	Sizes: 2½"
	Model 40-109-03	Sizes: 2½"
	Model 40-10A-02	Sizes: 4"
	Model 40-10C-02	Sizes: 6"
	Model 40-10E-02	Sizes: 8"
	Model 40-10G-02	Sizes: 10"
	Model 40-109-03	Sizes: 2½"
	Model 40-10A-03	Sizes: 4"
	Model 40-10C-03	Sizes: 6"
	Model 40-10E-03	Sizes: 8"
	Model 40-10G-03	Sizes: 10"
	Febco	+ Model 805
Model 805 Y		Sizes: ¾", 1", 1½", 2"
+ Model 805 Y		Sizes: 2½", 3", 4"
+ Model 805 Y		Sizes: 6", 8", 10"
➤➤(Formerly Model 805)		
Model 805 YB		Sizes: ¾"
Model 805 YD		Sizes: 2½", 3", 4", 6", 8", 10"
Model 805 YR		Sizes: ¾", 1"
Model 850		Sizes: 4", 6"
➤➤Vertically flowing upward orientation approved for the 4" & 6" assembly.		
<u>Model 870</u>		<u>Sizes: 2½", 3", 4", 6", 8"</u>
Flomatic	Model DCV	Sizes: ¾", 1", 1½", 2",

Double Check Valve Backflow Prevention Assemblies (Continued)**

Grinnell	Model B2	(See Kennedy 1373)
Hersey/ Grinnell	+E-1 Model FDC Model HDC Model #2	Sizes: 4", 6" Sizes: ¾", 1", 1½", 2" Sizes: ¾", 1", 1½", 2" Sizes: 3", 4", 6", 8", 10"
Kennedy	Model 1373	Sizes: 4", 6", 8", 10"
Mueller	+ Model H 9505	Sizes: 4", 6", 8", 10"
Neptune	(See Wilkins)	
Orion	Model 9-2930 Model 80-0070 Model BDC ➤➤(All Orion assemblies are approved inlet vertical flow up and outlet vertical flow down.)	Sizes: 2" Sizes: 1½" Sizes: ¾", 1", 3", 4"
Rain Bird	+Model DCA-075-R +Model DCA-100-R +Model DCA-150-R +Model DCA-200-R +Model DCA-250-R +Model DCA-300-R +Model DCA-400-R +Model DCA-600-R +Model DCA-800-R +Model DCA-1000-R +Model DC-QT-075 +Model DC-QT-100 +Model DC-QT-150 +Model DC-QT-200	Sizes: ¾" Sizes: 1" Sizes: 1½" Sizes: 2" Sizes: 2½" Sizes: 3" Sizes: 4" Sizes: 6" Sizes: 8" Sizes: 10" Sizes: ¾" Sizes: 1" Sizes: 1½" Sizes: 2"
Richwell	(See Wilkins)	
SMR	(See Wilkins)	
Toro	(See Orion)	
Viking	+Model A-1	Sizes: 4", 6", 8", 10"

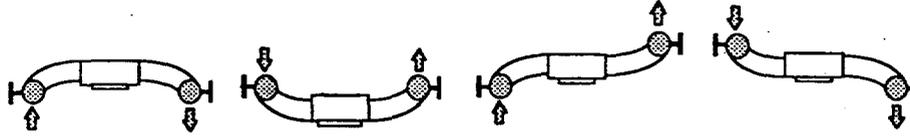
Double Check Valve Backflow Prevention Assemblies (Continued)**

Watts	+ Model 700	Sizes: 2½", 3"
	+ Model 709 QT	Sizes: ¾", 1", 1½", 2"
	<u>Model 709 NRS RW BB</u>	<u>Sizes: 2½", 3"</u>
	➤➤(Formerly Model 709 RW BB)	
	➤➤(Formerly Model 709 RW Bronze)	
	Model 709 OSY RW BB	Sizes: 2½", 3"
	➤➤(Formerly Model 709 RW BB)	
	➤➤(Formerly Model 709 RW Bronze)	
	Model 709 NRS RW	Sizes: 2½", 3", 4", 6", 8", 10"
	➤➤(Formerly Model 709 RW)	
	Model 709 OSY RW	Sizes: 2½", 3", 4", 6", 8", 10"
	➤➤(Formerly Model 709 RW)	
	Model 709 QT FDA	Sizes: 2½", 3", 4", 6", 8", 10"
	Model 007 QT	Sizes: ½", 1½", 2"
	+Model 007 QT	Sizes: ¾", 1"
	Model 007 RW	Sizes: 2½", 3"
	<u>Model 007 PCQT</u>	<u>Sizes: ½", 1½", 2"</u>
	Model 007 M1PCQT	Sizes: ¾", 1", 1½", 2"
	Model 007 M1QT	Sizes: ¾", 1", 1½", 2"
	Model 007 M2QT	Sizes: ¾", 1½"
	Model 007 M2PCQT	Sizes: 1½"
	<u>Model 007 RW NRS</u>	<u>Sizes: 4", 6"</u>
	<u>Model 007 RW OSY</u>	<u>Sizes: 4", 6"</u>
	+ Model 007 SSQT	Sizes: ¾", 1"
	Model 007 SSQT	Sizes: 1½", 2"
	Model 007 SSPCQT	Sizes: 1½", 2"
	Model 007 SSM1QT	Sizes: ¾", 1"
	Model 007 SSM1PCQT	Sizes: ¾", 1"
	Model U007 QT	Sizes: ¾", 1", 1½", 2"
	Model U007 PCQT	Sizes: ¾", 1", 1½", 2"
	Model U007 M1AQT	Sizes: ¾", 2"
	Model U007 M1APCQT	Sizes: ¾", 2"
	Model U007 M1PCQT	Sizes: ¾", 1", 1½", 2"
	Model U007 M1QT	Sizes: ¾", 1", 1½", 2"
	Model U007 M2AQT	Sizes: 1½"
	Model U007 M2QT	Sizes: 1½"
	Model U007 SSQT	Sizes: ¾", 1", 1½", 2"
	Model U007 SSPCQT	Sizes: ¾", 1", 1½", 2"

Double Check Valve Backflow Prevention Assemblies (Continued)**

Watts
(continued)

Note: Models U007M1AQT, U007M1APCQT & U007M2AQT are approved in the configurations shown below:



Model 770 NRSRW	Sizes: 4", 8"
Model 770 OSYRW	Sizes: 4", 8"
Model 770 QTFDA	Sizes: 4", 8"
Model 772 NRSRW	Sizes: 4", 10"
Model 772 OSYRW	Sizes: 4", 10"

***The "PC" notation in the model designation identifies those assemblies which contain a polymer coating on the internal machined surface of the check valve body.*

Wilkins	Model 550	Sizes: 1¼", 1½", 2", 2½", 3", 4", 6"
	+ Model 550	Sizes: ¾", 1"
	Model 550 A	Sizes: ¾", 1"
	Model 550-M8"	Sizes: 4" x 4" x 8" Manifold
	Model 550-M10"	Sizes: 6" x 6" x 10" Manifold
	>>(Formerly Model MBD)	
	Model 950	Sizes: ¾", 1", 1¼", 1½", 2", 2½", 3", 4", 6", 8", 10"
	Model 950 A	Sizes: ¾", 1", 1¼", 1½", 2"
	Model 950 XL	Sizes: ¾", 1", 1¼", 1½", 2"
	Model 950 XLU	Sizes: ¾", 1", 1½", 2"

+ Denotes those approved assemblies no longer manufactured but with replacement parts available. Use of spare parts other than those of the original manufacturer invalidates the approval.

Underlining indicates an addition or revision to the list.

Double Check Valve Backflow Prevention Assemblies (Continued)**

* Backflow prevention assemblies which are in service but are not listed shall be permitted to remain in service provided they: (1) were listed on the current Washington State Approved Cross-Connection Control Assembly List at the time they were installed, (2) are properly maintained, (3) are commensurate with the degree of hazard, and (4) are tested and successfully pass the test annually. When these assemblies are moved, or require more than minimum maintenance, they shall be replaced by an assembly which is on the current list of approved assemblies.

** To maintain their approval status all assemblies must be delivered to the job site and be installed with the shutoff valves #1 and #2 and test cocks which are supplied by the device manufacturer.

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**BACKFLOW PREVENTION ASSEMBLIES APPROVED FOR INSTALLATION
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DOUBLE CHECK DETECTOR BACKFLOW PREVENTION ASSEMBLIES**

The following assemblies will meter water usage under low flow situations:

Ames	+Model DCDC	Sizes: 4", 6", 8"
	+Model 3000 DCDC	Sizes: 10"
	+Model 3000 G DCDC	Sizes: 10"
	>>(Formerly Model DCDC)	
	+Model 3000 DCDA	Sizes: 4", 6", 8"
	>>(Formerly Model DCDA)	
	+Model 3000 G DCDA	Sizes: 4", 6", 8"
	>>(Formerly Model DCDA)	
	<u>Model 3000 SE</u>	<u>Sizes: 6", 8"</u>
	<u>Model 3000 SE A</u>	<u>Sizes: 8"</u>
	<u>Model 3000 SS</u>	<u>Sizes: 2½", 3", 4", 6"</u>
	<u>Model 3000 SS A</u>	<u>Sizes: 6"</u>
<u>Model 3000 SS M</u>	<u>Sizes: 4", 6"</u>	
<u>Model 3000 SS WM1</u>	<u>Sizes: 2½", 3", 4"</u>	
<u>Model 3000 SE WM1</u>	<u>Sizes: 6"</u>	
Conbraco	Model 40-600-C3	Sizes: 3"
	>>(Formerly Model 40-600-C3)	
	Model 40-60A-C3	Sizes: 4"
	>>(Formerly Model 40-60A-03)	
	Model 40-60C-C3	Sizes: 6"
	>>(Formerly Model 40-60C-03)	
	Model 40-60E-C3	Sizes: 8"
	>>(Formerly Model 40-60E-03)	
Model 40-60G-C3	Sizes: 10"	
>>(Formerly Model 40-60G-03)		
Febco	+Model 806	Sizes: 4", 6", 8", 10"
	Model 806 YD	Sizes: 3", 4", 6", 8", 10"
	>>(Formerly Model 806 Type YD)	

Double Check Detector Backflow Prevention Assemblies (Continued)**

Febco (continued)	Model 856	Sizes: 4", 6"
	<u>Model 856</u>	Sizes: 6" (vertical up)
	<u>Model 876</u>	Sizes: 2½", 3", 4", 6", 8"
Hersey/ Grinnell	Model DDC-II	Sizes: 3", 4", 6", 8", 10"
Watts	Model 007 DCDA	Sizes: 2½", 3"
	<u>Model 007 NRS DCDA</u>	Sizes: 4", 6"
	<u>Model 007 OSY DCDA</u>	Sizes: 4", 6"
	Model 709 DCDA	Sizes: 3", 4", 6", 8", 10"
	>>(Formerly Model 709DDC)	
	Model 770 DCDA OSY RW	Sizes: 4", 8"
	Model 770 DCDA NRS RW	Sizes: 8"
	Model 772 DCDA NRS RW	Sizes: 4", 10"
	Model 772 DCDA OSY RW	Sizes: 10"
Wilkins	Model DCDA	Sizes: 2½", 3", 4", 6"
	Model 950 DA	Sizes: 2½", 3", 4", 6", 8", 10"

+ Denotes those approved assemblies no longer manufactured but with replacement parts available. Use of spare parts other than those of the original manufacturer invalidates the approval. Bypass meters must meet specific headloss criteria, therefore, the original manufacturer must be consulted if an original equipment meter is not available and replacement is required.

Underlining indicates an addition or revision to the list.

* Backflow prevention assemblies which are in service but are not listed shall be permitted to remain in service provided they: (1) were listed on the current Washington State Approved Cross-Connection Control Assembly List at the time they were installed, (2) are properly maintained, (3) are commensurate with the degree of hazard, and (4) are tested and successfully pass the test annually. When these assemblies are moved, or require more than minimum maintenance, they shall be replaced by an assembly which is on the current list of approved assemblies.

** To maintain their approval status all assemblies must be delivered to the job site and be installed with the shutoff valves #1 and #2 and test cocks which are supplied by the device manufacturer.

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**REDUCED PRESSURE PRINCIPLE DETECTOR
BACKFLOW PREVENTION ASSEMBLIES****

Ames	Model 5000	Sizes: 4", 6", 8", 10"
Cla-Val	Model 18	Sizes: 10"
Conbraco	Model 40-700-C3 ➤➤(Formerly Model 40-700-03)	Sizes: 3"
	Model 40-70A-C3 ➤➤(Formerly Model 40-70A-03)	Sizes: 4"
	Model 70C-C3 ➤➤(Formerly Model 40-70C-03)	Sizes: 6"
	Model 40-70E-C3 ➤➤(Formerly Model 40-70E-03)	Sizes: 8"
	Model 40-70G-C3 ➤➤(Formerly Model 40-70G-03)	Sizes: 10"
Febco	Model 826 YD	Sizes: 2½", 3", 4", 6", 8", 10"
Hersey/ Grinnell	Model 6 CMDA	Sizes: 4", 6", 8", 10"
Watts	<u>Model 009 NRS RPDA</u>	<u>Sizes: 4", 6"</u>
	<u>Model 009 OSY RPDA</u>	<u>Sizes: 4", 6"</u>
	Model 909 RPDA ➤➤(Formerly Model 909 DDC-M2)	Sizes: 3"
	Model 909 RPDA ➤➤(Formerly Model 909 DDC)	Sizes: 6"
	Model 909 RPDA	Sizes: 4", 8", 10"
	Model 990 RPDA NRS RW	Sizes: 4", 8"

Reduced Pressure Principle Detector Backflow Prevention Assemblies (Continued)**

Watts (continued)	Model 990 RPDA OSY RW	Sizes: 8"
	Model 992 RPDA NRS RW	Sizes: 4", 10"
	Model 992 RPDA OSY RW	Sizes: 10"
Wilkins	Model 975 DA	Sizes: 2½", 3", 4", 6"

Use of spare parts other than those of the original manufacturer invalidates the approval. Bypass meters must meet specific headloss criteria, therefore the original manufacturer must be consulted if an original equipment meter is not available and replacement is required.

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* Backflow prevention assemblies which are in service but are not listed shall be permitted to remain in service provided they: (1) were listed on the current Washington State Approved Cross-Connection Control Assembly List at the time they were installed, (2) are properly maintained, (3) are commensurate with the degree of hazard, and (4) are tested and successfully past the test annually. When these assemblies are moved, or require more than minimum maintenance, they shall be replaced by an assembly which is on the current list of approved assemblies.

** To maintain their approval status all assemblies must be delivered to the job site and be installed with the shutoff valves #1 and #2 and test cocks which are supplied by the device manufacturer.

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REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLIES**

Ames	Model 4000 SS	Sizes: 2½", 3", 4", 6"
	Model 4000 RP	Sizes: 4", 6", 8", 10"
	>>(Formerly Model RP)	
Beeco	(See Hersey/Grinnell)	
Buckner	<u>+Model 24000</u>	<u>Sizes: ¾"</u>
	<u>+Model 24001</u>	<u>Sizes: 1"</u>
	<u>+Model 24002</u>	<u>Sizes: 1¼"</u>
	<u>+Model 24003</u>	<u>Sizes: 1½"</u>
	<u>+Model 24004</u>	<u>Sizes: 2"</u>
	<u>+Model 24000/25</u>	<u>Sizes: ¾"</u>
	<u>+Model 24001/25</u>	<u>Sizes: 1"</u>
	<u>+Model 24002/25</u>	<u>Sizes: 1¼"</u>
	<u>+Model 24003/25</u>	<u>Sizes: 1½"</u>
	<u>+Model 24004/25</u>	<u>Sizes: 2"</u>
Cla-Val	Model RP-2	Sizes: ¾", 1", 1¼", 1½"
	Model RP-4	Sizes: 2", 2½", 3", 4", 6", 8", 10"

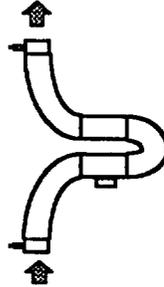
Reduced Pressure Principle Backflow Prevention Assemblies (Continued)**

Cla-Val
(continued)

Model RP-4V

Sizes: 4"

Note: Model RP4V is approved for vertical installation with the flow of water vertically upward.



Conbraco

Model 40-201-02	Sizes: 1/4"
Model 40-202-02	Sizes: 3/8"
Model 40-203-02	Sizes: 1/2"
Model 40-204-02	Sizes: 3/4"
Model 40-204-A2U	Sizes: 3/4"
Model 40-205-A2U	Sizes: 1"
Model 40-206-A2U	Sizes: 1 1/4"
Model 40-207-A2U	Sizes: 1 1/2"
Model 40-208-A2U	Sizes: 2"

The A2U series assemblies are approved in the following orientation:



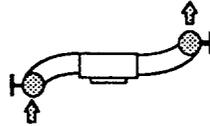
Model 40-204-A2Z	Sizes: 3/4"
Model 40-205-A2Z	Sizes: 1"
Model 40-206-A2Z	Sizes: 1 1/4"
Model 40-207-A2Z	Sizes: 1 1/2"

Reduced Pressure Principle Backflow Prevention Assemblies (Continued)**

Conbraco
(continued)

Model 40-208-A2Z Sizes: 2"

The A2Z series assemblies are approved in the following orientation:



Model 40-204-A2	Sizes: ¾"
Model 40-205-A2	Sizes: 1"
Model 40-204-A2S	Sizes: ¾"
Model 40-205-A2S	Sizes: 1"
Model 40-205-02	Sizes: 1"
Model 40-206-02	Sizes: 1¼"
Model 40-206-A2	Sizes: 1¼"
Model 40-207-02	Sizes: 1½"
Model 40-207-A2	Sizes: 1½"
Model 40-208-02	Sizes: 2"
Model 40-208-A2	Sizes: 2"
Model 40-209-02	Sizes: 2½"
Model 40-209-03	Sizes: 2½"
Model 40-200-02	Sizes: 3"
Model 40-200-03	Sizes: 3"
Model 40-20A-02	Sizes: 4"
Model 40-20A-03	Sizes: 4"
Model 40-20C-02	Sizes: 6"
Model 40-20C-03	Sizes: 6"
Model 40-20E-02	Sizes: 8"
Model 40-20E-03	Sizes: 8"
Model 40-20G-02	Sizes: 10"
Model 40-20G-03	Sizes: 10"

Febco

+Model 825	Sizes: 2½", 3", 4", 6", 8", 10"
+Model 835 B	Sizes: ¾", 1", 1½", 2"
+Model 825 D	Sizes: 2½", 3", 4", 6", 8", 10"
➤➤ (Formerly 825 Type D)	
Model 825 Y	Sizes: ¾", 1", 1¼", 1½", 2"

Reduced Pressure Principle Backflow Prevention Assemblies (Continued)**

Febco (continued)	Model 825 YA	Sizes: 3/4", 1", 1 1/2", 2"
	Model 825 YAR	Sizes: 3/4", 1", 1 1/2", 2"

Note: Models 825 YA and 825YAR are approved in the configurations shown below:



Model 825 YD	Sizes: 2 1/2", 3", 4", 6", 8", 10"
>>(Formerly 825 Type YD)	
Model 825 YR	Sizes: 3/4", 1", 1 1/2", 2"
Model 845	Sizes: 3/4", 1"
Model 860	Sizes: 4"
Model 880	Sizes: 2 1/2", 3", 4", 6", 8"

Flomatic	Model RPZ	Sizes: 3/4", 1", 1 1/2", 2"
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Hersey/ Grinnell	Model 6 CM	Sizes: 2 1/2", 3", 4", 6", 8", 10"
	Model FRP-2	Sizes: 3/4", 1", 1 1/4", 1 1/2", 2"
	Model 6 CM (Bronze)	Sizes: 2 1/2", 3", 4", 6"

Mueller	+Model H-9506	Sizes: 4", 6", 8", 10"
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Neptune	(See Wilkins)	
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Orion	Model 80-0069	Sizes: 1 1/2"
	Model BRP	Sizes: 3/4", 1", 3", 4"
	Model 9-2929	Sizes: 2"

Note: All Orion assemblies are approved inlet vertical flow up and outlet vertical flow down.

Rain Bird	+Model RPA-075-R	Sizes: 3/4"
	+Model RPA-100-R	Sizes: 1"
	+Model RPA-125-R	Sizes: 1 1/4"
	+Model RPA-150-R	Sizes: 1 1/2"
	+Model RPA-200-R	Sizes: 2"
	+Model RPA-250-R	Sizes: 2 1/2"
	+Model RPA-300-R	Sizes: 3"
	+Model RPA-400-R	Sizes: 4"
	+Model RPA-600-R	Sizes: 6"
+Model RPA-800-R	Sizes: 8"	

Reduced Pressure Principle Backflow Prevention Assemblies (Continued)**

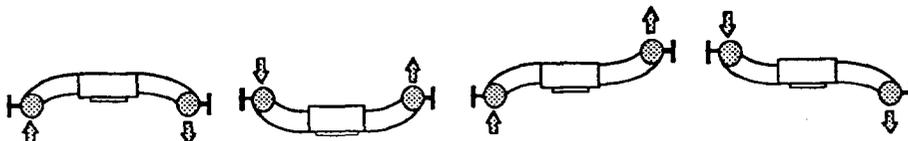
Rain Bird (continued)	+Model RPA-1000-R	Sizes: 10"
	+Model RP-QT-075	Sizes: ¾"
	+Model RP-QT-100	Sizes: 1"
	+Model RP-QT-150	Sizes: 1½"
	+Model RP-QT-200	Sizes: 2"
Richwell	(See Wilkins)	
Toro	(See Orion)	
Watts	<u>Model 009 PCOT</u>	<u>Sizes: ½", ¾", 1", 1¼", 1½", 2"</u>
	<u>Model 009 NRSRW</u>	<u>Sizes: 2½", 3", 4", 6"</u>
	<u>Model 009 OSYRW</u>	<u>Sizes: 2½", 3", 4", 6"</u>
	<u>Model 009 QT</u>	<u>Sizes: ½", ¾", 1", 1¼", 1½", 2"</u>
	Model 009 M1QT	Sizes: 1¼", 1½", 2"
	Model 009 M1PCQT	Sizes: 1¼", 1½", 2"
	Model 009 M2QT	Sizes: ¾", 1¼", 1½"
	Model 009 M2PCQT	Sizes: 1¼", 1½"
	Model 009 SSM1QT	Sizes: 2"
	Model 009 SSM1PCQT	Sizes: 2"
	Model 009 SSPCQT	Sizes: ¾", 1", 1¼", 1½", 2"
	Model 009 SSQT	Sizes: ¾", 1", 1¼", 1½", 2"
	Model 909 QT	Sizes: ¾", 1"
	Model 909 HWQT	Sizes: ¾", 1"
	Model 909 HWM1QT	Sizes: 1¼", 1½", 2"
	➤➤(Formerly 909HWQT)	
	Model 909 M1NRSRW	Sizes: 8", 10"
	➤➤(Formerly 909M1RW)	
	Model 909 M1OSYRW	Sizes: 8", 10"
	➤➤(Formerly 909M1RW)	
	Model 909 M1QT	Sizes: 1¼", 1½", 2"
	➤➤(Formerly 909QT)	
	Model 909 NRSRWBB	Sizes: 2½", 3"
	➤➤(Formerly 909RWBB)	
	➤➤(Formerly 909RW Bronze)	
	Model 909 NRSRW	Sizes: 2½", 3", 4", 6"
	➤➤(Formerly 909RW)	
	Model 909 OSYRW BB	Sizes: 2½", 3"
	➤➤(Formerly 909RW BB)	
	➤➤(Formerly 909RW Bronze)	

Reduced Pressure Principle Backflow Prevention Assemblies (Continued)**

Watts
(continued)

Model 909 OSYRW	Sizes: 2½", 3", 4", 6"
➤➤(Formerly 909RW)	
<u>Model 909 PCHWM1QT</u>	<u>Sizes: 1¼", 1½", 2"</u>
<u>Model 909 PCHWQT</u>	<u>Sizes: ¾", 1"</u>
<u>Model 909 PCM1QT</u>	<u>Sizes: 1¼", 1½", 2"</u>
<u>Model 909 PCQT</u>	<u>Sizes: ¾", 1"</u>
+Model 909 RW	Sizes: 8", 10"
Model 909 QTFDA	Sizes: 2½", 3", 4", 6"
Model 909 M1QTFDA	Sizes: 8", 10"
Model 990 NRSRW	Sizes: 4", 8"
➤➤(Formerly 990RW)	
Model 990 OSYRW	Sizes: 4", 8"
<u>Model 990 QTFDA</u>	<u>Sizes: 4", 8"</u>
Model 992 NRSRW	Sizes: 10"
Model 992 OSYRW	Sizes: 10"
Model 992 RW	Sizes: 4"
Model FAE 909QT	Sizes: 1¼", 1½", 2"
Model FAE 909 HWQT	Sizes: 1¼", 1½", 2"
Model U009APCQT	Sizes: ¾", 1"
Model U009 AQT	Sizes: ¾", 1"
Model U009 M1APCQT	Sizes: 1½", 2"
Model U009 M1AQT	Sizes: 1½", 2"
Model U009 M1PCQT	Sizes: 1¼", 1½", 2"
Model U009 M1QT	Sizes: 1¼", 1½", 2"
Model U009 M2APCQT	Sizes: 1½"
Model U009 M2AQT	Sizes: 1½"
Model U009 M2PCQT	Sizes: 1½"
Model U009 M2QT	Sizes: ¾", 1½"
<u>Model U009 PCQT</u>	<u>Sizes: ½", ¾", 1", 1¼", 1½", 2"</u>
<u>Model U009 QT</u>	<u>Sizes: ½", ¾", 1", 1¼", 1½", 2"</u>
Model U009 SSPCQT	Sizes: ¾", 1", 1¼", 1½", 2"
Model U009 SSQT	Sizes: ¾", 1", 1¼", 1½", 2"
Model U909 QT	Sizes: ¾", 1"
Model U909 HWQT	Sizes: ¾", 1"

Note: Models U009AQT, U009M1AQT, U009APCQT, U009M1APCQT, and U009M2APCQT are approved in the configurations shown below:



Reduced Pressure Principle Backflow Prevention Assemblies (Continued)**

The PC notation in the model designation identifies those assemblies which contain a polymer coating on the internal machined surface of the check valve body.

Wilkins	+Model 575	Sizes:	¾", 1"
	Model 575 A	Sizes:	¾", 1"
	Model 575	Sizes:	2½", 3", 4", 6"
	Model 575 (Mod III)	Sizes:	1¼", 1½", 2"
	Model 575 M8"	Sizes:	4" x 4" x 8" Manifold
	➤➤(Formerly Model MBC-8")		
	Model 575 M10"	Sizes:	6" x 6" x 10" Manifold
	➤➤(Formerly Model MBC-10")		
	<u>Model 975</u>	<u>Sizes:</u>	¾", 1", 1¼", 1½", 2", 2½"
			3", 4", 6", 8", 10"
	Model 975 A	Sizes:	¾", 1", 1¼", 1½", 2"
	<u>Model 975 MS</u>	<u>Sizes:</u>	2½", 3", 4", 6"
	<u>Model 975 XL</u>	<u>Sizes:</u>	¼, ³ / ₈ , ½", ¾", 1", 1¼", 1½", 2"
	Model 975 XLMS	Sizes:	¾", 1", 1¼", 1½", 2"
Model 975 XLU	Sizes:	¾", 1", 1½", 2"	

+ Denotes those approved assemblies no longer manufactured but with replacement parts available. Use of spare parts other than those of the original manufacturer invalidates the approval.

Underlining indicates an addition or revision to the list.

* Backflow prevention assemblies which are in service but are not listed shall be permitted to remain in service provided they: (1) were listed on the current Washington State Approved Cross-Connection Control Assembly List at the time they were installed, (2) are properly maintained, (3) are commensurate with the degree of hazard, and (4) are tested and successfully pass the test annually. When these assemblies are moved, or require more than minimum maintenance, they shall be replaced by an assembly which is on the current list of approved assemblies.

** To maintain their approval status all assemblies must be delivered to the job site and be installed with the shutoff valves #1 and #2 and test cocks which are supplied by the device manufacturer.

**WASHINGTON STATE DEPARTMENT OF HEALTH
DRINKING WATER PROGRAM**

P.O. Box 47822
Olympia, Washington 98504-7822
Telephone: (360) 664-8096

July 1995

***STATE REGULATIONS DO NOT REQUIRE FORMAL STATE APPROVAL
OF ATMOSPHERIC VACUUM BREAKERS***

State Water Supply Regulations (WAC 246-290) do not require formal state approval of atmospheric vacuum breakers.

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**BACKFLOW PREVENTION ASSEMBLIES APPROVED FOR INSTALLATION
IN WASHINGTON STATE**

This List Replaces All Previous Listings*

PRESSURE TYPE VACUUM BREAKERS

Buckner	+Model 24199	Sizes: ½"
	+Model 24200	Sizes: ¾"
	+Model 24201	Sizes: 1"
	+Model 24202	Sizes: 1¼"
	+Model 24203	Sizes: 1½"
	+Model 24204	Sizes: 2"
	+Model 24199/25	Sizes: ½"
	+Model 24200/25	Sizes: ¾"
	+Model 24201/25	Sizes: 1"
	+Model 24202/25	Sizes: 1¼"
	+Model 24203/25	Sizes: 1½"
	+Model 24204/25	Sizes: 2"
Conbraco	Model 40-503-02	Sizes: ½"
	Model 40-504-02	Sizes: ¾"
	Model 40-505-02	Sizes: 1"
	Model 40-506-02	Sizes: 1¼"
	Model 40-507-02	Sizes: 1½"
	Model 40-508-02	Sizes: 2"
Febco	Model 765	Sizes: ½", ¾", 1", 1¼", 1½", 2"
	Model 745	Sizes: ¾", 1"
Neptune	(See Wilkins)	
Rain Bird	+Model PVB-075-R	Sizes: ¾"
	+Model PVB-100-R	Sizes: 1"
	+Model PVB-125-R	Sizes: 1¼"
	+Model PVB-150-R	Sizes: 1½"
	+Model PVB-200-R	Sizes: 2"

Pressure Type Vacuum Breakers (Continued)**

SMR	(See Wilkins)	
Toro	Model 80-0550	Sizes: ¾"
	➤➤ (Formerly Model PVB)	
	Model 80-0560	Sizes: 1"
	➤➤ (Formerly Model PVB)	
Watts	Model 800 QT	Sizes: ¾", 1", 1¼", 1½", 2"
	Model 800 M QT	Sizes: ½", ¾"
	Model 800 CM QT	Sizes: ½", ¾"
	Model 800 M2QT	Sizes: ½", ¾", 1", 1¼", 1½", 2"
	Model 800 M3QT	Sizes: ½", ¾"
	Model 800 M4QT	Sizes: ½", ¾", 1", 1½", 2"
Wilkins	Model 720 A	Sizes: ½", ¾", 1", 1¼", 1½", 2"

+ Denotes those approved assemblies no longer manufactured but with replacement parts available. Use of spare parts other than those of the original manufacturer invalidates the approval.

Underlining indicates an addition or revision to the list.