Water Supply Engineering
Environmental
Fact Sheet

New Hampshire Department of Environmental Services
29 Hazen Drive Concord NH 03301

Print Version

WD-WSEB-11-2 1997

List of Approved Backflow Prevention Devices

New Hampshire Code of Administrative Rules, Env-Ws 364, requires that public water utilities take appropriate actions to prevent the reverse flow of water previously delivered to customers. There are many elements of such a program as identified in WD-WSEB-11-1.

A common component of such a program is the installation of plumbing devices to prevent such backflow. Where backflow prevention devices are used, the device must be "approved" by the Water Division of the Department of Environmental Services. New Hampshire does not have a separate approval process for such devices but cross references the list of "Approved Backflow Prevention Assemblies" for "testable" devices as published by:

University of Southern California Hydraulic Institute
KAP-200, University Park MC-2531
Los Angeles, Calif. 90089-2531
Telephone: 213-740-2032, Fax 213-740-8399

For backflow preventions devices such as residential dual checks valves or other "non testable" devices, DES requires that the device meet or exceed

ANSI/ASSE standard 1024 "Dual Check Valve Type Backflow Presenters". The BOCA National Plumbing Code shall also be consulted for further information.

A copy of the latest edition of this list of acceptable backflow prevention devices can be obtained from the Institute. Manufacturers of such devices typically identify on their packaging and in sales brochures, which products have this approval. Attached is DES's summary of the Institute's approved list. This summary is current as of approximately March 1997.

For Further Information

Please call us at (603) 271-3139 with any questions. We would appreciate your comments concerning this fact sheet. For an overall listing of water supply related fact sheets, please request fact sheet WD-WSEB-15-2. Drinking water fact sheets are available through the DES web site at: http://www.des.state.nh.us then select: publications, fact sheets, water division, water supply.

DOUBLE CHECK VALVE ASSEMBLIES

Low Hazard Device Only

>COMPANY	MODEL - SIZE
AMES	2000 - DC - 10"
	2000 - G - DC - 10"
	2000 - DCA - 4", 6", 8"
	2000 - G - DCA - 4", 6", 8"
	2000-SE - 2 2"
Watts 774X	2000 SE - 6"
774X	2000 SE - 8"
	2000 SS - :", 1"
	2000 SS - 13"
	2000 SS - 1 2@,2"
	2000 SS - 2 2", 3"
Watts	2000 SS - 4"
774	2000 SS - 6"
774	2000 SS - 8"
774	2000 SS - M - 4", 6"

Double Check Valve Assembly	Low Hazard Only
CLA-VAL	D2 - 1 3", 1 2"
	D2 - :", 1"
	D4 - 2"
	D4 - 2 1/2", 3", 4"
	DC6LB - 3/4"
	DC6LB - 3/4" (vertical up)
	DC6LW - 3/4", 1"
	DC6LW - 1 1/2", 2"
	DC7LW - 2 1/2", 3", 4", 6", 8", 10"
	DC7LY - 2 1/2", 3", 4", 6", 8", 10"
	DC8LW - 4", 6"

DC8LW - 8"
DC8LW - 4" (vertical up)
DC8LW - 6" (vertical up)
DC8LY - 4", 6"
DC8LY - 8"
DC8LY - 4" (vertical up)
DC8LY - 6" (vertical up)
DC8NW - 2 1/2", 3"
DC8NW - 4", 6"
DC8NW - 8"
DC8NY - 4", 6" DC8NY - 8"
DC8VW - 2 1/2", 3", 4", 6" (N,Z Configur.)
DC8VY -2 1/2", 3", 4", 6"

Double Check Valve Assembly Low Hazard Only

CONBRACO

40 - 103 - 02 - 1/2"
40 - 104 - 02 - 3/4"
40 - 104 - A2 - 3/4"
40 - 104 - A2T - 3/4"
40 - 104 - 99T - 3/4
40 - 105 - 02 - 1"
40 - 105 - A2 - 1"
40 - 105 - A2T - 1"
40 - 105 - 99T- 1"
40 - 106 - 02 - 1 1/4"
40 - 106 - A2- 1 1/4"
40 - 106 - A2T - 1 1/4"
40 - 106 - 99T - 1 1/4"
40 - 107 - 02 - 1 1/2"
40 - 107 - A2 - 1 1/2"
40 - 107 - A2T - 1 1/2"
40 - 107 - 99T - 1 1/2"
40 - 108 - 02 - 2"
40 - 108 - A2 - 2"
40 - 108 - A2T - 2"
40 - 108 - 99T - 2"
40 - 109 - 02 - 2 1/2"
40 - 109 - 03 - 2 1/2"
40 - 100 - 02 - 3"
40 - 100 - 03 - 3"
40 - 10A - 02 - 4"
40 - 10A - 03 - 4"
40 - 10C - 02 - 6"
40 - 10C - 03 - 6"
40 - 10E - 02 - 8"
40 - 10E - 03 - 8"
40 - 10G - 02 - 10"
40 - 10G - 03 - 10"

Double Check Valve Assembly Low Hazard Only

FEBC0	805Y - 3/4", 1" 805YR - 3/4",1" 805YB- 3/4" 805YB - 3/4" (vertical up) 805Y - 1 1/2", 2" 805YD - 2 1/2", 3", 4", 6", 8", 10" 850 - 4", 6" 850 - 8" 850 - 4" (vertical up) 850 - 6" (vertical up) 850 - 8" (vertical up) 870 - 2 1/2", 3" - 4", 6" 870 - 8" 870 -10" 870 870V - 2 1/2", 3", 4", 6" (N,Z Configurations) 870 - 8" (N,Z Configurations)

Double Check Valve Assembly **Low Hazard Only**

FLOWMATIC	DCV - 3/4", 1" DCV - 1 1/2", 2" DCV - 2 1/2", 3"

Double Check Valve Assembly **Low Hazard Only**

HERSEY /GRINNELL	#2 - 3", 4" #2 - 6" #2 - 8" #2 - 10" FDC - 3/4" FDC - 1" FDC - 1 1/2" FDC - 2" HDC - 3/4", 1" HDC - 1 1/2", 2"
ORION	80-0070-1 1/2" 9 - 2930 - 2" BDC - 3/4", 1" BDC - 4" BDC - 3"

WATTS

709 BB -2 1/2", 3"
709 2 1/2", 3"
709 - 4"
709 - 4" (vertical up)
709 - 6"
709 - 8"
709 -10"
709 - 6", 8", 10" (vertical up)
709 QT - FDA 2 1/2", 3", 4", 6", 8", 10"
007 - 2 1/2", 3"
007 - 2 1/2", 3" (vertical up)
007QT - 1/2"
007QT - 1/2" (vertical up)
007QT - 1 1/2", 2"
007PCQT -1/ 2"
007PCQT 1 1/2", 2"
007M1QT - 3/4" 1"
007M1QT - 1 1/2", 2"
007M1QT - 1 1/2", 2" (vertical up)
007M1PCQT - 1/2, 1"
007M1PCQT - 1 1/2", 2"
007M2QT - 3/4"
007M2QT - 3/4" (vertical up)
007M2QT -1 1/4" (hor. & vert. up)
007M2PCQT 1 1/4" (hor & vert up)
007M2QT - 1 1/2",
007M2QT - 1 1/2" (vertical up)
007M2PCQT - 1 1/2"

709 NRS BB - 4", 6"

007 QT - 1/2"
007 QT - 1 1/2", 2"
007 - 2 1/2", 3"
007 PCQT - 1/2"
007 PCQT - 1 1/2", 2"
007 M1QT - 3/4", 1"
007 M1QT - 1 1/2", 2"
007 M1QT - 2" (Vertical up)
007 M1PCQT - 3/4", 1"
007 M1PCQT - 1 1/2", 2"
007 M2QT - 3/4"
007 M2QT - 1 1/2"
007 M2QT - 1 1/2" (vertical up)
007 M2PCQT - 1 1/2"

007 NRS - 4", 6"
007 OSY - 4", 6"
007 SSQT - 1 1/2", 2"
007 SSPCQT - 1 1/2", 2"
007 SSM1QT - 3/4", 1"
007 SSM1PCQT - 3/4", 1"
U007 QT - 3/4", 1"
U007 QT - 1 1/2", 2"
U007 PCQT - "3/4, 1"
U007 PCQT - 1 1/2", 2
U007 M1AQT - 3/4", 2"
U007 M1APCQT - 3/4"
U007 M1APCQT - 2"
U007 M1PCQT - 3/4", 1"
U007 M1PCQT - 1 1/2", 2"
U007 M1QT - 3/4", 1"
U007 M1QT - 1 1/2", 2"
U007 M2AQT - 1 1/2"
U007 M2QT - 1 1/2" (hoz & vert up)
U007 SSQT - 3/4", 1"
U007 SSQT - 1 1/2", 2"
U007 SSPCQT - 3/4", 1"
U007 SSPCQT - 1 1/2", 2"
770 - 4"
770 - 4"
770 QT - FDA - 4"
770 QT - FDA - 8"
772 - 4"
772 - 10"

WILKINS

550A - 3/4", 1"
550A - 1 1/4", 1 1/2", 2"
550 - 2 1/2"
550 - 3"
550 - 4"
550 - 6"
550 - M8" (4"X4"X8" Manifold)
550 - M10" (6"x6"x10" Manifold)
950 - 3/4", 1"
950 - 1 1/4", 1 1/2, 2"
950 XL - 3/4", 1", 1 3/4", 1 1/2", 2"
950 XL - 3/4"
950 XLU 3/4", 1", 1 1/2", 2 "
950 - 2 1/2"
950 - 3", 4"
950 - 6"
950 - 8"
950 - 10"
950 - 4", 6", 8" (vertical up)
950 A - 3/4", 1", 1 1/4", 1 1/2", 2"

DOUBLE CHECK DETECTOR ASSEMBLIES

COMPANY	MODEL - SIZE
AMES	3000 SE -2 1/2"
Watts 774XDCDA	3000 SE - 6"
774XDCDA	3000 SE - 8"
	3000 SE - A - 8"
Watts 774DCDA	3000 SS - 2 1/2", 3", 4"
(4")	3000 SS - 6"
774DCDA	3000 SS - 8"
774DCDA	3000 SS -A - 6"
	3000 SS - M - 4"
	3000 SS - M - 6"
	3000 SS - WM1 - 2 1/2", 3"
	3000 SS - WM1 - 4"
	3000 SE - WM1 - 6"
CLA-VAL	DD7LY - 3"
	DD7LY - 4", 6", 8", 10"
	DD8LY - 4", 6"
	DD8LY - 4", 6" (vertical up)
	DD8LY - 8"
	DD8NY - 2 1/2", 3"
	DD8NY - 4", 6"
	DD8NY - 8"
	DD8VY - 2 1/2", 3", 4", 6" (N& Z Configu.)
CONBRACO	40 - 600 - C3 - 3"
	40 - 60A - C3 - 4"
	40 - 60C - C3 - 6"
	40 - 60E - C3 - 8"
	40 - 60G - C3 - 10"
FEBCO	806YD - 3"
	806YD - 4", 6", 8", 10"
	856 - 4", 6"
	856 - 4", 6" (vertical up)
	856 - 8"
	876 - 2 1/2", 3"
	876 - 4", 6"
	876 - 8"
	876 - 10"
	876V - 2 1/2", 3", 4", 6" (N,Z Configur.)
	876V - 8" (N,Z Configur)

HERSEY / GRINNELL	DDC - II - 3" DDC - II - 4", 6" DDC - II - 8" DDC - II - 10"
WATTS	007 DCDA - 2" 007 DCDA (vertical up) 2" 007 DCDA - 2 1/2" 007 DCDA - 2 1/2" (vertical up) 007 DCDA - 3" 007 DCDA - 4", 6" 709 DCDA - 3" 709 DCDA - 4", 6" 709 DCDA - 4" (vertical up) 709 DCDA - 8" 709 DCDA - 10" 709 DCDA - 6", 8", 10" (vertical up) 770 DCDA - 8" 770 DCDA - 8" 772 DCDA - 4" 772 DCDA - 10"
WILKINS	DCDA - 2 1/2", 3" DCDA - 4" DCDA - 10" 950 DA - 2 1/2", 3" 950 DA - 4", 8" 950 DA - 4", 8" (vertical up) 950 DA - 6" 950 DA -2 1/2", 3", 6" 950 DA - 10"

REDUCED PRESSURE PRINCIPLE DETECTOR ASSEMBLIES

COMPANY	MODEL NAME
AMES	5000 - 4" 5000 - 6" 5000 - 8" 5000 - 10"
CLA -VAL	18-10" RD7LY - 2 1/2", 3 RD7LY - 4" RD7LY - 6" RD7LY - 8", 10"

CONBRACO	40 - 700 - C3 - 3"
	40 - 70A - C3 - 4"
	40 - 70C - C3 - 6"
	40 - 70E - C3 - 8"
	40 - 70G - C3 - 10"
FEBCO	826YD - 2 1/2", 3"
	826YD - 4"
	826YD - 6"
	826YD - 8", 10"
HERSEY / GRINELL	6CMDA - 4", 6", 8", 10"
WATTS	009 NRS RPDA - 4", 6"
	009 OSY RPDA - 4", 6"
	909 RPDA - 3"
	909 RPDA - 4"
	909 RPDA - 6"
	909 RPDA - 8"
	909 RPDA -10"
	990 RPDA - 4"
	990 RPDA - 8"
	992 RPDA - 4"
	992 RPDA - 10"
WILKINS	975 DA - 2 1/2", 3"
	975 DA - 4"
	975 DA - 6"
	975 DA - 8", 10"

REDUCED PRESSURE PRINCIPAL ASSEMBLIES

COMPANY	MODEL NAME
AMES	4000 SS - 2 1/2", 3", 4", 6"
	4000 - RP - 4", 6", 8"
	4000 - RP - 10"
CLA VAL	RP - 2 - 3/4", 1"
	RP - 2 - 1 1/4", 1 1/2"
	RP - 4 - 6"
	RP - 4 - 2"
	RP - 4 - 2 1/2", 3", 4", 8", 10"
	RP 4V - 4"
	RP6LW - 3/4", 1"

RP6LW - 1 1/4"
RP6LW - 1 1/2", 2"
RP6VW - 3/4", 1"
RP6VW - 1 1/2, 2"
RP7LW - 2 1/2", 3", 4", 6", 8", 10"
RP7LY - 2 1/2", 3", 4", 6", 8", 10"
RP8LW - 2 1/2", 3"
RP8LW - 4"
RP8LW - 6"
RP8LW - 8"
RP8LY - 2 1/2", 3"
RP8LY - 4"
RP8LY - 6",
RP8LY -8"
RP8NW - 2 1/2", 3"
RP8NW - 4"
RP8NW - 6", 8"
RP8NY - 2 1/2", 3"
RP8NY - 4" (N,Z Configuration)
RP8NY - 6" A "
RP8VW - 2 1/2", 3" A "
RP8VW - 4" A "
RP8VW - 6" A "

CONBRACO

40 - 201 - 02 - 1/4"
40 - 201 - A2 - 1/4"
40 - 201 - A2S - 1/4"
40 - 202 - 02 - 3/8"
40 - 202 - A2 - 3/8"
40 - 202 - A2S - 3/8"
40 - 203 - 02 - 1/2"
40 - 202 - A2 - 1/2"
40 - 202 - A2S - 1/2"
40 - 204 - 02 - 3/4"
40 - 204 - A2U - 3/4"
40 - 204 - A2U - 3/4"
40 - 205 - A2U - 1"
40 - 206 - A2U - 1 1/4"
40 - 207 - A2U - 1 1/2"
40 - 208 - A2U - 2"
40 - 204 - A2Z - 3/4"
40 - 205 - A2Z - 1"
40 - 206 - A2Z - 1 1/4"
40 - 207 - A2Z - 1 1/2"
40 - 208 - A2Z - 2"
40 - 204 - A2 - 3/4"
40 - 205 - A2 - 1"
40 - 204 - A2S - 3/4"
40 - 205 - A2S - 1"
40 - 205 - 02 - 1"

40 - 206 - 02 - 1 1/4"
40 - 206 - A2 - 1 1/4"
40 - 207 - 02 - 1 1/2"
40 - 207 - A2 - 1 1/2"
40 - 208 - 02 - 2"
40 - 208 - A2 - 2"
40 - 209 - 02 - 2 1/2"
40 - 209 - 03 - 2 1/2"
40 - 200 - 02 - 3"
40 - 200 - 03 - 3"
40 - 20A - 02 - 4"
40 - 20A - 03 - 4"
40 - 20C - 02 - 6"
40 - 20C - 03 - 6"
40 - 20E - 02 - 8"
40 - 20E - 03 - 8"
40 - 20G - 02 - 10"
40 - 20G - 03 - 10"

FLOWMATIC

FEBCO

825Y - 3/4", 1"
825Y - 1 1/4"
825Y - 1 1/2", 2"
825YA - 3/4", 1"
825YA - 1 1/2", 2"
825YAR - 3/4"
825YAR - 1"
825YAR - 1 1/2", 2
825YD - 2 1/2", 3", 4", 6", 8", 10"
825YR - 3/4", 1"
825YR - 1 1/2", 2"
845 - 3/4", 1"
860 - 2 1/2", 3"
860 - 4"
860 - 6"
860 - 8"
880 - 2 1/2", 3"
880 - 4"
880 - 6", 8"
880 - 10"
880V - 2 1/2", 3" (N,Z configuration)
880V - 4" (A) "
880V - 6" (A) "
880V - 8" (A) "

FLOMATIC

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

HERSEY / GRINNELL	6CM - 2 1/2"
	6CM - 3"
	6CM - 4"
	6CM - 6"
	6CM - 8"
	6CM - 10"
	FRP - II - 3/4", 1"
	FRP - II - 1 1/2"
	FRP - II - 2"
	FRP - II - 1 1/4"
	6CM-BRONZE - 2 1/2"
	6CM-BRONZE - 3",4"
	6CM-BRONZE - 6"
ORION	80-0069 - 1 1/2"
	BRP - 3/4", 1"
	9-2929 - 2
	BRP - 3"
	BRP - 4"
WATTS	009 PCQT - 2"
	009 - 4" , 6"
	009 QT - 1/4", 3/8"
	009 QT - 1/2"
	009 QT - 3/4",1
	009 QT - 1 1/4", 1 1/2", 2"
	009 M1QT - 1 1/4", 1 1/2"
	009 M1QT - 2"
	009 M1PCQT - 1 1/4", 1 1/2",2"
	009 M2QT - 3/4"
	009 M2QT - 1", 1 1/2"
	009 M2QT - 2"
	009 M2PCQT - 1 1/4", 1 1/2"
	009 - 2 1/2", 3"
	009 PCQT - 3/4", 1
	009 PCQT - 1 1/4", 1 1/2", 2"
	009 SSM1QT - 2"
	009 SSM1PCQT - 2"
	009 SSPCQT - 3/4", 1"
	009 SSPCQT - 1 1/4", 1 1/2", 2"
	009 SSQT - 3/4", 1"
	009 SSQT - 1 1/4", 1 1/2", 2"
	909 QT - 3/4", 1"
	909 HWQT - 3/4", 1"
	909 HWM1QT - 1 1/4", 1 1/2", 2"
	909 M1 - 8", 10"
	909 M1QT - 1 1/4", 1 1/2", 2

909 BB - 2 1/2", 3"
909 - 2 1/2", 3"
909 - 4"
909 - 6"

909 PCHWM1QT - 1 1/4",1 1/2",2"
909 PCHWQT - 3/4", 1"
909 PCM1QT - 1 1/4",1 1/2",2"
909 PCQT - 3/4", 1
909 QTFDA - 2 1/2", 3:, 4", 6",
909 M1QTFDA - 8", 10"

990 - 4"
990 - 8"
990 QT-FDA - 4"
990 QT-FDA - 8"
992 - 10"
992 - 4"
FAE909 QT - 1 1/4", 1 1/2", 2"
FAE909 HWQT 1 1/4", 1 1/2", 2"

U009 APCQT - 3/4",1"
U009 AQT - 3/4", 1"
U009 M1APCQT - 1 1/2", 2"
U009 M1AQT - 1 1/2"
U009 M1AQT - 2 "
U009 M1PCQT - 1 1/4", 1 1/2", 2"
U009 M1QT - 1 1/4", 1 1/2", 2"
U009 M2APCQT - 1 1/2"
U009 M2AQT - 1 1/2"
U009 M2PCQT - 1 1/2"
U009 M2QT - 3/4"
U009 M2QT - 1 1/2"
U009 PCQT - 2"
U009 PCQT - 3/4", 1"
U009 PCQT - 1 1/4", 1 1/2", 2"
U009 QT - 2"
U009 QT - 3/4", 1"
U009 QT - 1 1/4", 1 1/2", 2"
U009 SSPCQT - 3/4", 1"
U009 SSPCQT - 1 1/4", 1 1/2", 2"
U009 SSQT - 3/4", 1"
U009 SSQT - 1 1/4",1 1/2", 2"
U909 QT - 3/4", 1"
U909 HWQT - 3/4", 1"

WILKINS

575A 3/4", 1"
575A 3/4", 1"
575 - 1 1/4", 1 1/2", 2"
575 - 2 1/2"

575 - 3"
575 - 4"
575 - 6"
575 - M8"
575 - M10"
975 - 3/4", 1",1 1/4",1 1/2", 2"
975 - 2 1/2"
975 - 3", 4", 6"
975 - 8", 10"
975A - 3/4", 1", 1 1/4", 1 1/2", 2"
975MS - 2 1/2", 3", 4", 6"
975 ML 8", 10"
975XL - 1/4", 3/8", 1/2"

975XL - 3/4", 1", 1 1/4", 1 1/2",2"
975XL - 1/4", 3/8", 1/2"
975XLMS - 3/4", 1", 1 1/4", 1 1/2",2"
975XLU - 3/4", 1", 1 1/2", 2"

ATMOSPHERIC (NON - PRESSURE) TYPE VACUUM BREAKERS

ARROWHEAD BRASS	58 - 1/2"
CHAMPION BRASS	162 (straight) 3/4", 1", 1 1/4", 1 1/2", 2" 262 (angle) - 3/4", 1", 1 1/4", 1 1/2", 2" 466P 3/4", 1"
RAINBIRD	APAS - 075 - 3/4" PAS - 075 - 3/4"
STRAHMAN	HS - Vertical - 3/4" HS - Horizontal - 3/4"
WATTS	288A - M3 - 1 1/4" 288A - M3 - 1 1/2" 228A - M3 - 2" 288A - M3 - 2 1/2" 288A - M3 - 3" 288A - M5 - 3/4", 1

PRESSURE TYPE VACUUM BREAKERS

CONBRACO	40-503-02- 1/2" 40-504-02- 3/4" 40-505-02-1"

	40-506-02- 1 1/4"
	40-507-02- 1 1/2"
	40-508-02-2"
FEBCO	765 - 1/2", 3/4",1", 1 1/4", 1 1/2", 2"
	745 - 3/4", 1"
WATTS	800 QT - 3/4", 1"
	800 QT - 1 1/4", 1 1/2", 2"
	800 QT - 1/2", 3/4"
	800 CM QT - 1/2", 3/4"
	800 M2QT - 1/2", 3/4", 1"
	800 M2QT - 1 1/4", 1 1/2", 2"
	800 M3QT - 1/2", 3/4"
	800 M4FR - 3/4", 1"
	800 M4QT - 1/2
	800 M4QT - 3/4"
	800 M4QT - 1"
	800 M4QT - 1 1/4"
	800 M4QT - 1 1/2", 2"
WILKINS	720A - 1/2", 3/4", 1"
	720A - 1 1/4", 1 1/2", 2"