



1 APPROVED DOUBLE CHECK VALVE ASSEMBLY INCLUDING FACTORY SUPPLIED SHUT-OFF VALVES: AS LISTED ON THE CURRENTLY APPROVED BACKFLOW PREVENTION ASSEMBLIES LIST SPECIFIED BY OREGON HEALTH AUTHORITY.

PLUMBING FROM THE CONNECTION TO POTABLE WATER SUPPLY LINE TO THE ASSEMBLY REQUIRES A PLUMBING PERMIT AND MUST BE INSPECTED BEFORE COVERING.

AN INITIAL TEST PERFORMED BY A STATE CERTIFIED BACKFLOW ASSEMBLY TESTER IS REQUIRED AT THE TIME OF INSTALLATION, AT LEAST ANNUALLY THEREAFTER OR MORE FREQUENTLY AS REQUIRED BY WATER SUPPLIER.

COPIES OF COMPLETED TEST REPORT SHALL BE FURNISHED TO:

- THE OWNER
- THE WATER SUPPLIER, EWEB
- THE BUILDING OFFICIAL

CITY OF EUGENE BUILDING
AND PERMITS REVIEW - SR

FUNC	BY	CHK	APP
DES	SLW		SLW
DWN	RS		SLW
SPONSOR		SLW	
DATE: 01/01/95			

WATER STANDARDS
REGIONAL DESIGN STANDARDS
DOUBLE CHECK VALVE ASSEMBLY
1/2" - 2" BELOW GRADE

EUGENE WATER & ELECTRIC BOARD - EUGENE, OREGON

SCALE: NTS

REV DATE	BY	CHK	APP
05/21/09	ESR		
REMOVED SUB & RWD			
DWG NO			REV
WD6-6.5100			4
1 of 2			

NOTES:

1. DOUBLE CHECK VALVE ASSEMBLY (DCV) SHALL BE INSTALLED IN A LOCATION APPROVED BY EWEB.
2. DCV MAY BE INSTALLED VERTICALLY, PROVIDED THAT THE DCV IS:
 - a. RECOMMENDED BY THE MANUFACTURER FOR VERTICAL INSTALLATION
 - b. APPROVED IN A VERTICAL ORIENTATION AS LISTED ON THE CURRENTLY APPROVED BACKFLOW PREVENTION ASSEMBLIES LIST SPECIFIED BY OREGON HEALTH AUTHORITY.
3. ALL CLEARANCES PICTURED APPLY WHEN INSTALLED IN A YARD BOX
4. DCV SHALL HAVE 12" CLEARANCE AT BOTTOM WHEN INSTALLED INDOORS OR IN A VAULT.
5. DCV SHALL BE PROTECTED FROM FREEZING.
 - a. A 2" LAYER OF SPRAY-FOAM INSULATION EVENLY COATING INSIDE THE IRRIGATION BOX LID IS SUFFICIENT.
5. ALTERNATE METHODS MAY BE APPROVED BY EWEB FOR DCV IN ITS SERVICE AREA. ALLOWABLE ALTERNATIVES MAY INCLUDE:
 - a. DRY WELL SIZED FOR ADEQUATE DRAINAGE (6 INCH DEPTH MINIMUM)
6. COMPACTED GRAVEL OR UNDISTURBED BASE.
7. A DOOR OR OTHER ACCESS SHALL BE PROVIDED.
8. DCV INSTALLED BELOW GROUND LEVEL SHALL HAVE WATERTIGHT PLUGS OR CAPS INSTALLED ON THE TEST PORTS.

ADDITIONAL CONSIDERATIONS FOR FIRE SERVICES:

1. FIRE SERVICE ASSEMBLIES SHALL BE INSTALLED WITHIN 10' OF EWEB POINT OF CONNECTION.
2. ALL PIPING PRECEDING THE DOUBLE CHECK VALVE SHALL BE CONSTRUCTED OF POTABLE APPROVED MATERIAL PER OPSC TABLE 6-4.
3. NO OUTLETS OR CONNECTIONS (INCLUDING HYDRANTS) WILL BE PERMITTED ON FIRE SERVICE LINES PRIOR TO THE DOUBLE CHECK VALVE.
4. WHERE NON-FOOD GRADE ANTIFREEZE, CORROSION INHIBITORS, OR OTHER CHEMICALS ARE ADDED TO A FIRE PROTECTION SYSTEM A REDUCED PRESSURE BACKFLOW ASSEMBLY OR REDUCED PRESSURE DETECTOR ASSEMBLY SHALL BE USED.

REFERENCE: OREGON PLUMBING SPECIALTY CODE, CHAPTER 6 WATER SUPPLY AND DISTRIBUTION, 603.4.6.3; 603.4.6.4; 603.3.3; 603.3.4; 603.3.8; 603.4.18.3 TABLE 6-4
 REFERENCE: OREGON ADMINISTRATIVE RULES 333-061-0070 (5) (12) (15); 333-061-0071 (9)

CITY OF EUGENE BUILDING AND PERMITS REVIEW – SR								
FUNC	BY	CHK	APP	WATER STANDARDS REGIONAL DESIGN STANDARDS DOUBLE CHECK VALVE ASSEMBLY 1/2" - 2" BELOW GRADE EUGENE WATER & ELECTRIC BOARD - EUGENE, OREGON	SCALE: NTS			
DES	SLW		SLW		REV DATE	BY	CHK	APP
DWN	RS		SLW		4/6/17	PWR		
SPONSOR		SLW			UPDATE NOTES			
DATE: 01/01/95					DWG NO			REV
				WD6-6.5100			4	
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