



1 APPROVED ATMOSPHERIC VACUUM BREAKER: A PRODUCT AND MATERIAL APPROVED UNDER OREGON PLUMBING SPECIALTY CODE FOR NON-TESTABLE DEVICES.

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

SUB DWG NO FF11DE43 REV 1

CITY OF EUGENE BUILDING AND PERMITS REVIEW *SR*

RWD ENGINEERING REVIEW _____

SUB ENGINEERING REVIEW *DK*

FUNC	BY	CHK	APP
DES	SLW		SLW
DWN	RS		SLW
SPONSOR		SLW	

WATER STANDARDS
REGIONAL DESIGN STANDARDS

ATMOSPHERIC VACUUM BREAKER

EUGENE WATER & ELECTRIC BOARD - EUGENE, OREGON

SCALE: NTS

REV DATE	BY	CHK	APP
05/21/09	NLN		<i>MTA</i>

5 YEAR REVIEW

DWG NO	REV
WD6-6.3000	2

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NOTES:

1. ATMOSPHERIC VACUUM BREAKERS (AVB) SHALL BE INSTALLED A MINIMUM OF 6" ABOVE THE HIGHEST PIPING OR OUTLET THAT IT SERVES.
2. ALL CLEARANCES PICTURED APPLY TO OUTSIDE OR IN-BUILDING INSTALLATIONS.
3. IF THE AVB IS INSTALLED OUTSIDE AN ASSEMBLY ENCLOSURE IS REQUIRED.
4. AVB SHALL BE PROTECTED FROM FREEZING. AVB ENCLOSURE SHALL INCLUDE INSULATION AND/OR HEAT SOURCE.
 - a. CLEARANCES MAY BE WAIVED IF ENTIRE ENCLOSURE CAN BE REMOVED FOR MAINTENANCE ACCESS.
5. AVB ENCLOSURE SHALL INCLUDE A BORE-SIGHTED DRAIN TO DAYLIGHT CAPABLE OF DRAINING A FULL AIR INLET DISCHARGE PER OPSC TABLE 7-4 (LENGTH OF DRAIN TO BE APPROVED BY EWEB, SUB OR RWD FOR THEIR RESPECTIVE SERVICE AREA).
6. COMPACTED GRAVEL OR UNDISTURBED BASE.
7. A DOOR OR OTHER ACCESS SHALL BE PROVIDED.
8. FOR MAINTENANCE PURPOSES, AVB INSTALLED MORE THAN 5' ABOVE THE GROUND OR FLOOR LEVEL SHALL BE PROVIDED WITH A PERMANENT OSHA APPROVED PLATFORM.
9. INDOOR AVB INSTALLATION REQUIREMENT: FLOOR DRAIN TO SANITARY SEWER CAPABLE OF DRAINING A FULL AIR INLET DISCHARGE PER OPSC TABLE 7-4
10. NO CHEMICAL OR FERTILIZER MAY BE INTRODUCED THROUGH AN IRRIGATION SYSTEM EQUIPPED WITH AVB.
11. AVB SHALL NOT BE INSTALLED IN AN AREA WHERE FLOODING IS A POSSIBILITY.
12. AVB SHALL NOT BE INSTALLED WHERE DUSTY, CORROSIVE, OR TOXIC ATMOSPHERES ARE PRESENT.
13. AVB SHALL NOT BE SUBJECT TO BACKPRESSURE.
14. THERE SHALL BE NO SHUT-OFF VALVES DOWNSTREAM (ON THE DISCHARGE SIDE) OF THE AVB.
15. AVB SHALL NOT BE UNDER CONSTANT PRESSURE MORE THAN 12 HOURS IN ANY 24-HOUR PERIOD.

REFERENCE: OREGON PLUMBING SPECIALTY CODE, CHAPTER 6 WATER SUPPLY AND DISTRIBUTION, 603.4.6.3; 603.4.6.4; 603.3.4; 603.3.8; TABLE 14-1; TABLE 7-4

REFERENCE: OREGON ADMINISTRATIVE RULES 333-061-0071 (7)

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