

Backflow Prevention

WHY backflow prevention

Backflow prevention is required by Federal (Safe Drinking Water Act), State of Hawaii (Water System Standards) and County of Hawaii Department of Water Supply (Rules and Regulations) to protect the public water system from contamination.

HOW to prevent backflow

A Backflow prevention assembly prevents the undesirable return of water from the consumer premises, which may contain contaminants or pollutants, into the public water system.

WHO needs to install a backflow prevention assembly?

A consumer who meets any of the following conditions is required to install a backflow prevention assembly.

- Agricultural Activities
Note: The installation of a backflow prevention assembly does not automatically constitute approval for agricultural rates.
- Auxiliary water sources including, but not limited to, reclaimed water, swimming pools, catchment tanks and ponds.
- Construction Activities
- Commercial Activities
- Government Facilities
- Irrigation/sprinkler systems
- Non-Residential facilities including, but not limited to harbors, churches and community parks
- Master meters – multi dwelling on one meter
- Any residential facility having any of the above or other potential hazards (ex. Pressurized system)

REQUIREMENTS for installation and maintenance

A consumer who is required to have a backflow prevention assembly needs to hire, at their expense, a licensed plumber to install an approved backflow prevention assembly. The operation, maintenance and periodic testing of the backflow prevention assembly will be the responsibility of the consumer. The installation will have to be inspected and approved by the Department of Water Supply.

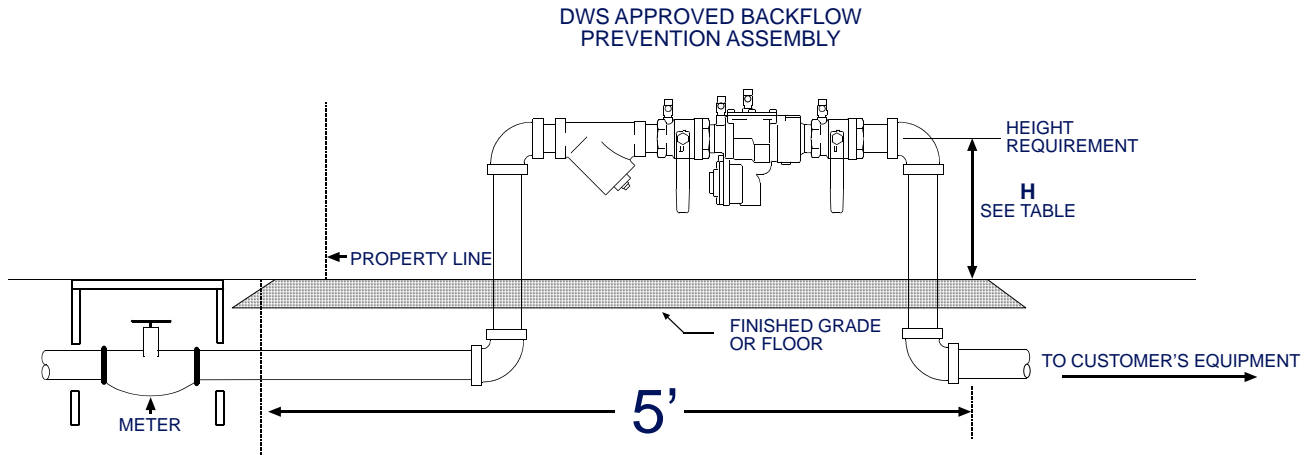
CONTACT for inspections or questions

Please contact personnel at the **Cross-Connection Control section, phone number 961-8670**, for inspection and approval once the backflow prevention assembly has been installed or should you have any questions.

BACKFLOW PREVENTION ASSEMBLY

TYPICAL INSTALLATION

AS OF JANUARY 4, 2014 ALL NEW BACKFLOW ASSEMBLY INSTALLATIONS SHALL BE LEAD FREE



HEIGHT REQUIREMENT TABLE

SIZE (INCHES)	H (INCHES)
3/4 TO 1-1/2	18
2 TO 3	24
4 TO 6	30
8 TO 10	36

NOTES:

1. AT NO TIME SHALL THE BACKFLOW PREVENTION ASSEMBLY BE LESS THAN THE REQUIREMENTS PROVIDED IN THE ABOVE TABLE NOR MORE THAN 48" ABOVE AFOREMENTIONED GRADES.
2. A DWS-APPROVED BACKFLOW PREVENTION ASSEMBLY SHALL BE INSTALLED AFTER THE WATER METER PRIOR TO ANY TEES AND BRANCHES.
3. THE BACKFLOW PREVENTION ASSEMBLY SHALL BE LOCATED WITHIN 5' OF THE METER ON PRIVATE PROPERTY. IF OVER 5', CONCRETE ENCASE PIPE BETWEEN WATER METER AND BACKFLOW PREVENTION ASSEMBLY TO AVOID POTENTIAL CROSS CONNECTION.
4. THE BACKFLOW PREVENTION ASSEMBLY SHALL BE INSTALLED BY THE CONSUMER AND INSPECTED BY THE DEPARTMENT OF WATER SUPPLY PRIOR TO ACTIVATION OF WATER SERVICE.
5. REFER TO DIVISION 100, SECTION 107.1, OF THE WATER SYSTEM STANDARDS 2002, FOR ADDITIONAL REQUIREMENTS AND TYPE OF BACKFLOW PREVENTER NEEDED. IF YOU HAVE ANY QUESTIONS OR NEED CLARIFICATION, PLEASE CALL THE CROSS-CONNECTION SECTION AT 961-8670.