

3745-95-06      **Backflow prevention devices.**

- (A) Any containment principle backflow preventer required by rules 3745-95-04 and 3745-95-05 of the Administrative Code shall be of a model or construction approved by the supplier of water and conform to at least one of the following standards:
- (1) For air gap separations: the specific edition of the American national standards institute (ANSI) and the American society of mechanical engineers (ASME) standard as referenced in rule 4101:3-13-01 of the Administrative Code.
  - (2) For reduced pressure principle backflow prevention assemblies: the specific edition of the ANSI and the American water works association (AWWA) standard, or the American society of sanitary engineering (ASSE) standard, or the Canadian standards association (CSA) standard as referenced in rule 4101:3-13-01 of the Administrative Code; or the foundation for cross-connection control and hydraulic research, university of Southern California specifications of backflow assemblies for reduced pressure principle assemblies - tenth edition (2009).
  - (3) For double check valve assemblies: the specific edition of the ANSI and the AWWA standard, or the ASSE standard, or the CSA standard as referenced in rule 4101:3-13-01 of the Administrative Code; or the foundation for cross-connection control and hydraulic research, university of Southern California specifications of backflow assemblies for double check valve assemblies - tenth edition (2009).
  - (4) For reduced pressure principle-detector assemblies: the specific edition of the ANSI and the ASSE standard, or the CSA standard as referenced in rule 4101:3-13-01 of the Administrative Code; or the foundation for cross-connection control and hydraulic research, university of Southern California specifications of backflow assemblies for reduced pressure principle-detector assemblies - tenth edition (2009).
  - (5) For double check-detector check valve assemblies: the ANSI and the ASSE standard, or the CSA standard as referenced in rule 4101:3-13-01 of the Administrative Code, or the foundation for cross-connection control and hydraulic research, university of Southern California specifications of backflow assemblies for double check-detector assemblies - tenth edition (2009).
  - (6) For pressure vacuum breakers: the ANSI and the ASSE standard, or the CSA standard as referenced in rule 4101:3-13-01 of the Administrative Code.
- (B) Any containment principle backflow preventer required by rules 3745-95-04 and 3745-95-05 of the Administrative Code shall be installed at a location and in a manner approved by the supplier of water and shall be installed at the expense of the water consumer. In addition, any backflow prevention device required by paragraphs (B) and (C) of rule 3745-95-05 of the Administrative Code shall be

installed at a location and in a manner approved by the director as required by section 6109.13 of the Revised Code.

- (C) It shall be the duty of the water consumer to maintain any containment principle backflow preventer required by rules 3745-95-04 and 3745-95-05 of the Administrative Code in proper working order and in continuous operation.
- (1) The supplier of water shall retain authority over any containment principle backflow preventer required by rules 3745-95-04 and 3745-95-05 of the Administrative Code.
  - (2) It shall be the duty of the supplier of water to see that the tests and inspections required under this paragraph are made.
  - (3) The consumer shall, on any premises on which any containment principle backflow preventer required by rules 3745-95-04 and 3745-95-05 of the Administrative Code are installed, have thorough inspections and operational tests made of the backflow preventers at the time of installation or repair, and as may be reasonably required by the supplier of water or the director, but in all cases at least once every twelve months. These inspections and tests shall be at the expense of the water consumer and shall be performed by the supplier of water or a person approved by the supplier as qualified to inspect and test backflow preventers.
  - (4) These devices shall be repaired, overhauled or replaced at the expense of the consumer whenever they are found to be defective.
  - (5) Records of such inspections, tests, repairs and overhaul shall be kept by the consumer and made available to the supplier of water.
  - (6) The supplier of water shall maintain a paper or electronic record of inventory of survey, investigation and containment principle backflow preventer installation reports. Records of inspections, tests, repairs and overhauls related to the containment principle backflow preventer required by rules 3745-95-04 and 3745-95-05 of the Administrative Code shall be maintained by the supplier of water for a minimum of five years.
- (D) The supplier of water shall inspect or cause to be inspected all installations where an approved connection exists between an auxiliary water system and the public water system or a consumer's water system at least once every twelve months and shall maintain an inventory of all such installations and inspection records. Such inventories and inspection records shall be made available during sanitary surveys and at other reasonable times. Paper or electronic inspection records shall be maintained by the supplier of water for a minimum of five years.
- (E) Containment principle backflow preventers approved by the supplier of water and conforming to prior or subsequent editions of the standards cited in paragraph (A)

of this rule, and which are properly maintained in accordance with paragraph (C) of this rule shall be excluded from the requirements of paragraphs (A) and (B) of this rule if the supplier of water and the director are assured that the backflow preventer will satisfactorily protect the public water system.

[Comment: This rule incorporates portions of the following manual by reference: The manual of cross-connection control, tenth edition, published by the foundation for cross-connection control and hydraulic research, university of Southern California. At the effective date of this rule, a copy of this document may be obtained from the foundation for cross-connection control and hydraulic research, university of Southern California, research annex 219, 3716 Hope street, Los Angeles, CA 90089-7700, phone: 866-545-6340, world-wide web address: <http://www.usc.edu/dept/fccchr/>. This document is available for review at Ohio EPA, Lazarus government center, 50 West Town street, suite 700, Columbus, OH 43215.]

Replaces: 3745-95-06

Effective: 10/26/2015

Five Year Review (FYR) Dates: 10/26/2020

Promulgated Under: 119.03

Statutory Authority: 6109.04

Rule Amplifies: 6109.04, 6109.13

Prior Effective Dates: 07/01/72, 11/26/80, 05/01/03