

**3717-1-05.1 Water, plumbing, and waste: plumbing system.**

(A) Materials - approved.

- (1) A plumbing system and hoses conveying water shall be constructed and repaired with approved materials that meet NSF standard 61 or equivalent.
- (2) A water filter shall be made of safe materials.

(B) Approved system and cleanable fixtures.

- (1) A plumbing system shall be designed, constructed, and installed according to the Ohio building code.
- (2) A plumbing fixture such as a handwashing sink, toilet, or urinal shall be easily cleanable.

(C) Handwashing sink - installation.

- (1) A handwashing sink shall be equipped to provide water at a temperature of at least one hundred degrees Fahrenheit (thirty-eight degrees Celsius) through a mixing valve or combination faucet.
- (2) A steam mixing valve may not be used at a handwashing sink.
- (3) A self-closing, slow-closing, or metering faucet shall provide a flow of water for at least fifteen seconds without the need to reactivate the faucet.
- (4) An automatic handwashing facility shall be installed in accordance with manufacturer's instructions.

(D) Backflow prevention - air gap.

An air gap between the water supply inlet and the flood level rim of the plumbing fixture, equipment, or nonfood equipment shall be at least twice the diameter of the water supply inlet and may not be less than one inch (twenty-five millimeters).

(E) Backflow prevention device - design standard.

A backflow or backsiphonage prevention device installed on a water supply system shall meet American society of sanitary engineering (ASSE) standards and as referenced in the Ohio plumbing code for installation, maintenance, inspection, and testing for that specific application and type of device.

(F) Conditioning device - design.

A water filter, screen, and other water conditioning device installed on water lines shall be designed to facilitate disassembly for periodic servicing and cleaning. A water filter element shall be of the replaceable type.

(G) Handwashing sinks.

At least one handwashing sink, a number of handwashing sinks necessary for their convenient use by employees in areas specified under paragraph (L) of this rule,

and not fewer than the number of handwashing sinks required by the Ohio building code shall be provided. This paragraph does not prohibit the use, when approved by the licenser, of:

- (1) Automatic handwashing facilities that are capable of removing the types of soils encountered in the food operation if the food service operation or retail food establishment has at least one handwashing sink; or
- (2) Chemically treated towelettes for handwashing when food exposure is limited and handwashing sinks are not conveniently available, such as in some mobile food service operations, mobile retail food establishments, temporary food service operations, temporary retail food establishments, or at some vending machine locations.

(H) Toilets and urinals - number.

Toilets and urinals shall be provided according to the Ohio building code.

(I) Service sink - number.

At least one service sink or one curbed cleaning facility equipped with a floor drain shall be provided and conveniently located for the cleaning of mops or similar wet floor cleaning tools and for the disposal of mop water and similar liquid waste.

(J) Backflow prevention device - when required.

A plumbing system shall be installed to preclude backflow of a solid, liquid, or gas contaminant into the water supply system at each point of use at the food service operation or retail food establishment, including on a hose bibb if a hose is attached or on a hose bibb if a hose is not attached and backflow prevention is required by the Ohio building code, by:

- (1) Providing an air gap as specified under paragraph (D) of this rule; or
- (2) Installing an approved backflow prevention device as specified under paragraph (E) of this rule.

(K) Backflow prevention device - carbonator.

A backflow prevention device shall be provided on a carbonator as required by the Ohio building code.

(L) Handwashing sinks - location and placement.

A handwashing sink shall be located:

- (1) To allow convenient use by employees in food preparation, food dispensing, and warewashing areas; and
- (2) In, or immediately adjacent to, toilet rooms.

(M) Backflow prevention device - location.

A backflow prevention device shall be located so that it may be serviced and maintained.

(N) Conditioning device - location.

A water filter, screen, and other water conditioning device installed on water lines shall be located to facilitate disassembly for periodic servicing and cleaning.

(O) Using a handwashing sink - operation and maintenance.

- (1) A handwashing sink shall be maintained so that it is accessible at all times for employee use.
- (2) A handwashing sink may not be used for purposes other than handwashing.
- (3) An automatic handwashing facility shall be used in accordance with manufacturer's instructions.

(P) Prohibiting a cross connection.

- (1) A person may not create a cross connection by connecting a pipe or conduit between the drinking water system and a nondrinking water system or a water system of unknown quality.
- (2) The piping of a nondrinking water system shall be durably identified so that it is readily distinguishable from piping that carries drinking water.

(Q) Scheduling inspection and service for a water system device.

A device such as a water treatment device or backflow preventer shall be scheduled for inspection and service, in accordance with manufacturer's instructions and as necessary to prevent device failure based on local water conditions, and records demonstrating inspection and service shall be maintained by the person in charge.

(R) Water reservoir of fogging devices - cleaning.

- (1) A reservoir that is used to supply water to a device such as a produce fogger shall be:
  - (a) Maintained in accordance with manufacturer's specifications; and
  - (b) Cleaned in accordance with manufacturer's specifications or according to the procedures specified under paragraph (R)(2) of this rule, whichever is more stringent.
- (2) Cleaning procedures shall include at least the following steps and shall be conducted at least once a week:
  - (a) Draining and complete disassembly of the water and aerosol contact parts;
  - (b) Brush-cleaning the reservoir, aerosol tubing, and discharge nozzles with a suitable detergent solution;
  - (c) Flushing the complete system with water to remove the detergent solution and particulate accumulation; and
  - (d) Rinsing by immersing, spraying, or swabbing the reservoir, aerosol tubing, and discharge nozzles with at least fifty ppm (mg/L) hypochlorite solution.

(S) Plumbing system - maintained in good repair.

A plumbing system shall be:

- (1) Repaired according to the Ohio building code; and
- (2) Maintained in good repair.

Five Year Review (FYR) Dates: 10/28/2014 and 10/15/2019

CERTIFIED ELECTRONICALLY

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Certification

10/28/2014

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Date

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