

- D. Potable and non-potable system
- E. Test cock - ANSPotable and non-potable system

A submerged atmospheric vacuum breaker may be considered a(n) _____?

- A. Backflow preventer
- B. Cross-connection
- C. Expensive elbow
- D. Typical installation
- E. Useful training photo - ANS. Cross-connection

A supply pressure loss with a functional check valve will cause a pressure vacuum breaker to _____?

- A. Admit air into the downstream piping
- B. Be subject to backpressure
- C. Discharge water
- D. Fail
- E. Retain water pressure downstream of the check valve - ANSRetain water pressure downstream of the check valve

A swing connection is a type of _____?

- A. Backflow preventer
- B. Cross-connection
- C. Detector assembly
- D. Gauge component
- E. Shut-off valve repair tool - ANSCross-connection

A thru block is designed to _____.

- A. Adjust pressure changes
- B. Maintain pipe joint integrity
- C. Stop backflow
- D. Stop water hammer
- E. Support failing soil conditions - ANSMaintain pipe joint integrity

A water closet ball cock must be installed above the opening of the overflow pipe by at least _____?

- A. 1.0 in. (2.5 cm)
- B. 1.5 in. (3.8 cm)
- C. 2.0 in. (5.1 cm)
- D. 2.5 in. (6.4 cm)
- E. 3.0 in. (7.6 cm) - ANS1.0 in. (2.5 cm)

A water system pressure of 10 psi (69 kPa) and a plumbing system pressure of 20 psi (138 kPa) may be described as _____?

- A. Backpressure
- B. Backsiphonage
- C. Gauge pressure differential

- B. 18.5
- C. 19.0
- D. 19.5
- E. 20.0 - ANS 19.5

Containing a plumbing system from the public water supply requires backflow protection at the _____?

- A. Appliance or fixture
- B. Building foundation
- C. Irrigation system
- D. Service Connection
- E. Sprinkler riser - ANS Service Connection

Continuous flow from a pressure vacuum breaker's test cock 2 with shut-off valve 2 open and shut-off valve 1 closed is an indication of _____?

- A. Backpressure backflow
- B. Backsiphonage backflow
- C. A failed air-inlet valve
- D. A leaking check valve
- E. A leaking or damaged shut-off valve 1 - ANS Backpressure backflow

Double check detector assembly flow indicators must register flow up to _____?

- A. 1 gpm (3.8 l/min)
- B. 2 gpm (7.6 l/min)
- C. 3 gpm (11.4 l/min)
- D. 4 gpm (15.1 l/min)
- E. 5 gpm (18.9 l/min) - ANS 2 gpm (7.6 l/min)

Double check valve assembly components must be _____?

- A. Bronze
- B. Independently acting
- C. Plastic
- D. Rubber
- E. Spring activated - ANS Independently acting

Double check valve assembly product performance standards require venting for _____?

- A. Chemicals
- B. Test cock corrosion
- C. Trapped air
- D. Vertical installations
- E. Winterization - ANS Trapped air

Flow from the outlet of an atmospheric vacuum breaker must not reach a _____?

- A. Closed tank
- B. Section of straight tubing