WOODFORD

ASSE 1052 Approved
Hose Connection Automatic Draining Double Check Backflow Preventer
Model 50H

The patent pending Model 50 hose connection backflow preventer is intended for irrigation purposes and designed to protect hose connections from backflow contamination in freezing and non-freezing conditions.

The Model 50 double check backflow preventer automatically drains when the hose is removed and unlike single check vacuum breakers can be field tested for reliability.

Uses include outside hose bibbs, wash racks, dairy barns and swimming pool areas.

SPECIFICATIONS:

- ASSE 1052 Approved
- Listed by IAPMO
- Field Testable (see instruction sheet)
- Two independent check valves
- Drains automatically when hose is removed
- No spray back

FEATURES:

Exterior Finish: Brass (BR). *Optional:* Chrome Plated (CH)

Check Valves: (2) Molded rubber diaphragms

Theft Resistant: Brass break-off set screw (50H Only)

50H Inlet: 3/4″ female hose thread

Outlet Nozzle: 3/4″ male hose thread

Max Pressure - 125 p.s.i.

Max Temperature - 120° F

Patent Pending

NOTICE: *This device, as with all 1011, 1019, 1052 and 1053 ASSE listed devices, is not to be subjected to continuous water pressure.*

Model 50H
Shown Actual Size

Patent Pending

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When ordering, specify model and finish.

For more information contact...

WOODFORD MANUFACTURING COMPANY

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Rev. 02/12 Form No. 50.103

TECH-NOTE

Model 50H

Hose Connection, Automatic Draining Double Check, Backflow Preventer

Operating Instructions

Purpose - The Model 50 valve is a double check backflow preventive device that automatically drains when the hose is removed. The Backflow Preventer device consists of a separate inlet and outlet check valve. The check valves function independently when a hose is attached to prevent contamination of the water supply. The Model 50 is intended for irrigations purposes.

Installation

1) Hand tighten the Backflow Preventer onto a hose threaded faucet until the device is seated on the rubber washer.

2) For H models, lock the Backflow Preventer onto the faucet by tightening the set screw against the faucet threads until it breaks off.

Procedure

1) The faucet, with the Backflow Preventer, may be operated during freezing temperatures, with or without a hose attached

2) To protect the faucet from freeze damage, shut off the water and remove the hose to allow water to drain out of the faucet and through the Backflow Preventer.

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Field Test Instructions

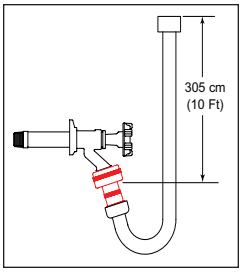
Purpose – These procedures shall verify the integrity of the outlet check valve.

Procedure

1) With the device installed, in accordance to the manufacturer's instructions, attach a hose to the outlet of the Backflow Preventer. Raise the hose to a height of 10 feet. Turn on the faucet and let water run to purge air from the hose. When purged of air turn off the faucet.

2) Watch the atmospheric vents for leakage. A small leakage from the vents that does not exceed 6 seconds is normal.

3) Maintain the hose height at 10 feet for five minutes while watching the atmospheric vents. Continuous leakage from the vents for more than 6 seconds indicates that the outlet check valve is faulty.



4) If the Backflow Preventer is found to be faulty it must be replaced to ensure proper protection of the water supply.

Note: *Individual replacement parts are not available and repair or modification of the Backflow Preventer is not permitted.*

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