

ASSE STANDARD #1035-2008

PERFORMANCE REQUIREMENTS FOR LABORATORY FAUCET BACKFLOW PREVENTERS

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(Language that has been deleted from the standard is indicated by strike-out, and new language is indicated by underlining.)

1.2.3 Temperature Range

The devices shall be designed for ~~flow temperatures between~~ a minimum temperature range of 33.0 °F to 180.0 °F (0.6 °C to 82.2 °C).

3.2 Deterioration at Extremes of Manufacturer's Temperature and Pressure Range

3.2.2 Procedure

Install the device with equipment capable of maintaining the manufacturer's maximum rated temperature and pressure. Flow hot water at 180.0 °F ± 5.0 °F (82.2 °C ± 3.0 °C) or the manufacturer's maximum rated temperature ± 5.0 °F (v 3.0 °C), whichever is greater, through ~~to~~ the device on test at 2.0 GPM (7.6 L/min) continuously. Flow hot water at 180.0 °F ± 5.0 °F (82.2 °C ± 3.0 °C) or the manufacturer's maximum rated temperature ± 5.0 °F (v 3.0 °C), whichever is greater, through the device for eight hours per day for a total of ten days (80 hours). At the completion of 80 hours, run water maintained between 33.0 °F and 40.0 °F (0.6 °C and 4.4 °C) through the device for a minimum of one (1) hour.

3.3 Back Pressure of Downstream Check

3.3.2 Procedure

The inlet check valve shall be removed or mechanically held open, and the air vent shall be sealed closed. Install the device as shown in Figure 1, including the sight glass with the shut-off cock installed upstream of the inlet check valve. Purge the device of air. Close the supply valve, and open the shut-off cock to the sight glass. The height of the water in the sight glass shall be adjusted to 6.0 inches (152.4 mm) above the top of the water space in the assembly. Raise the pressure downstream of the check valve to the minimum rated working pressure of the device and record the water level in the sight glass. Hold for five (5) minutes.