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# Backflow Preventer for Beverage Dispensing Equipment

## Section I

### 1.0 General

#### 1.1 Application

This standard covers a backflow prevention device designed to protect the potable water supply serving beverage dispensing equipment. These devices are intended for use under continuous or intermittent pressure conditions.

#### 1.2 Scope

##### 1.2.1 Description

These devices shall consist of two independently acting check valves biased to a normally closed position. An atmospheric port shall be located between the check valves and shall be biased to a normally open position. The port shall vent liquids, gases, or both, under backflow conditions.

##### 1.2.2 Minimum Flow

The device shall meet the minimum flow capacity as described in Table 1.

**Table 1**

Device Type	Minimum Flow Rate in GPM at a Maximum Pressure Drop of 15 psi	Minimum Flow Rate in L/min at a Maximum Pressure Drop of 103.4 kPa
A	1.0	3.8
B	2.0	7.8
C	3.0	11.4

Type indicates the flow capacity of the device and not the connection size of the device.

##### 1.2.3 Inlet and Outlet Connections

Inlet and outlet connections shall include 1/4", 3/8" and 1/2" nominal pipe size (8 mm, 10 mm and 15 mm diameter nominal).

##### 1.2.4 Pressure Range

These devices shall function properly over the pressure range of 10.0 psi to 200.0 psi (69.0 kPa to 1379.0 kPa).

### **1.2.5 Temperature Range**

These devices shall function properly over the temperature range of 40.0 °F to 130.0 °F (4.4 °C to 54.4 °C).

## **1.3 Reference Standards**

Reference to industry standards shall mean the latest edition of the standard.