

**Table 18-29-608.1  
Application for Backflow Preventers**

Device	Degree of Hazard <sup>a</sup>	Application <sup>b</sup>	Applicable Standards
Air gap <sup>c</sup>	High or low hazard	Backsiphonage or backpressure	ASME A112.1.2
Antisiphon-type Water Closet Flush Tank Ball Cock	Low Hazard	Backsiphonage only	ASSE 1002 CSA CAN/CSA B125
Reduced Pressure Principle Backflow Preventer	High or low hazard	Backpressure or backsiphonage Sizes 1/4" to 10"	ASSE 1013 AWWA C511 CSA CAN/CSA B64.4
Reduced Pressure Detector Assembly Backflow Preventer	High or low hazard	Backsiphonage or backpressure	ASSE 1047
Double Check Backflow Prevention Assembly	Low hazard	Backpressure or backsiphonage Sizes 3/8" to 16"	ASSE 1015 AWWA C510
Double Check Detector Backflow Preventer Assembly	Low hazard	Backpressure or backsiphonage (Fire sprinkler systems) Sizes 1 1/2" - 16"	ASSE 1048
Dual Check Valve-Type Backflow Preventer	Low hazard	Backpressure or backsiphonage Sizes 1/4" - 1"	ASSE 1024
Backflow Preventer with Intermediate Atmospheric Vents	Low hazard	Backpressure or backsiphonage Sizes 1/4" - 3/4"	ASSE 1012 CSA CAN/CSA B64.3
Dual Check Valve-Type Backflow Preventer for Carbonated Beverage Dispensers/Post Mix Type	Low hazard	Backpressure or backsiphonage Sizes 1/4" - 3/8"	ASSE 1032
Pipe-Applied Atmospheric-Type Vacuum Breaker	High or low hazard	Backsiphonage only Sizes 1/4" - 4"	ASSE 1001 CSA CAN/CSA B64.1.1
Pressure Vacuum Breaker Assembly	High or low hazard	Backsiphonage only Sizes 1/2" - 2"	ASSE 1020
Hose-connection Vacuum Breaker	High or low hazard	Backsiphonage Sizes 1/2", 3/4", 1"	ASSE 1011 CSA CAN/CSA B64.2
Vacuum Breaker Wall Hydrants, Frost-Resistant, Automatic Draining Type	High or low hazard	Backsiphonage Sizes 3/4", 1"	ASSE 1019 CSA CAN/CSA B64.2.2
Laboratory Faucet Backflow Preventer (Non-testable)	Low hazard	Backsiphonage	ASSE 1035 CSA B64.7
Hose Connection Backflow Preventer (Non-testable)	Low hazard	Low head backpressure, rated working pressure backpressure or backsiphonage Sizes 1/2" - 1"	ASSE 1052
Spill-proof vacuum breaker	High or low hazard	Backsiphonage only Sizes 1/4" - 2"	ASSE 1056

For SI: 1 inch = 25.4 mm.

- a. Low Hazard - See Pollution (Section 202) and Department of Water Management requirements  
High Hazard - See Contamination (Section 202) and Department of Water Management requirements
- b. See Backpressure (Section 202)  
See Backpressure, Low Head (Section 202)  
See Backsiphonage (Section 202)
- c. Break tank
- d. For systems using non-food grade chemical additives

(Amend Coun. J. 11-8-12, p. 38872, § 353)