

Victaulic offers three pressure safety solutions



THE EXCESSIVE PRESSURE SHUT-OFF VALVE APPROACH

Victaulic® Series 979-4 | Bermad Model BC-794-P

Used in systems designed with PRV stations featuring a redundant line

The function of the Excessive Pressure Shut-Off Valve is to “fail closed,” stopping all water supply downstream of the malfunctioning PRV and signaling the building management system (BMS). However, since there is a redundant line, the supply will be uninterrupted. This is a common approach to pressure safety, but it is important to note that even though a redundant line will allow continuous service, if the main line fails, the secondary line is not designed to handle that much load for an extended period of time. The main line must be repaired and made operational as quickly as possible so as to not overburden the valves on the secondary line.

THE “WATCHDOG” VALVE COMBINATION

Victaulic Series 972S-H | Bermad Model BC-72S-H-P

A more efficient and space-saving option because it does not require that the PRV station include a redundant/secondary line

The “Watchdog” approach, exclusive to Victaulic and Bermad, allows the system to continue regulating, while signaling the BMS. The benefit of this option is complete system protection and non-stop supply when using only one main line.



THE PRESSURE RELIEF VALVE APPROACH

Victaulic Series 973-Q | Bermad Model BC-73Q-P

For additional protection, a pressure relief valve can be designed into the system.

In this instance, if the pressure on the downstream side is still too high, the relief valve opens and physically releases water out of the system into a drain in an effort to stabilize the pressure, while signaling the BMS. (A drainage system would have to be piped.) This pressure relief valve can be used as a single safety method or together with a “Watchdog,” where it will provide additional safety when the “Watchdog” is activated. Pressure relief valves are sold separately.

