

Reduced Pressure Backflow Assembly

The Reduced Pressure Backflow Assembly (RP) is designed to prevent backflow caused by backpressure or backsiphonage and may be installed on either low or high hazard connections.

In order to operate the RP maintains the pressure between the two check valves, referred to as the zone of reduced pressure, at a lower pressure than the supply pressure. If either check valve should leak, the relief valve is designed to open and discharge water to atmosphere. A properly functioning Reduced Pressure Backflow Assembly (RP) will periodically discharge small amounts of water due to fluctuation in line pressure up or downstream of the assembly.

A few diagrams of some common RP's are below:

