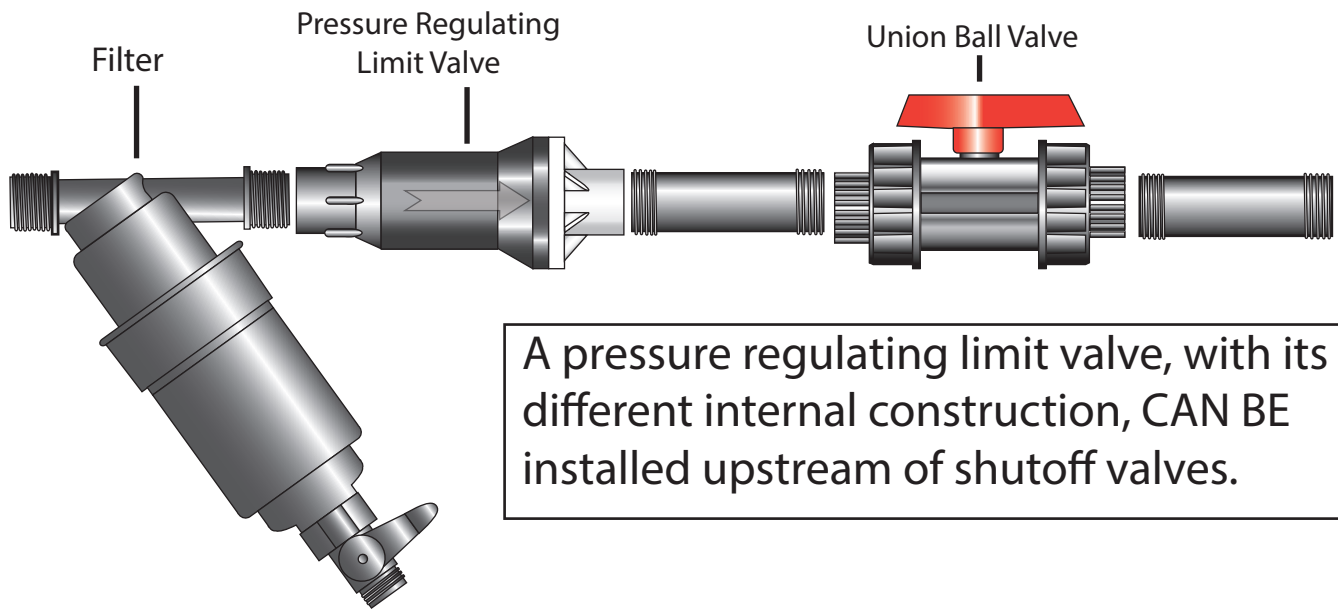
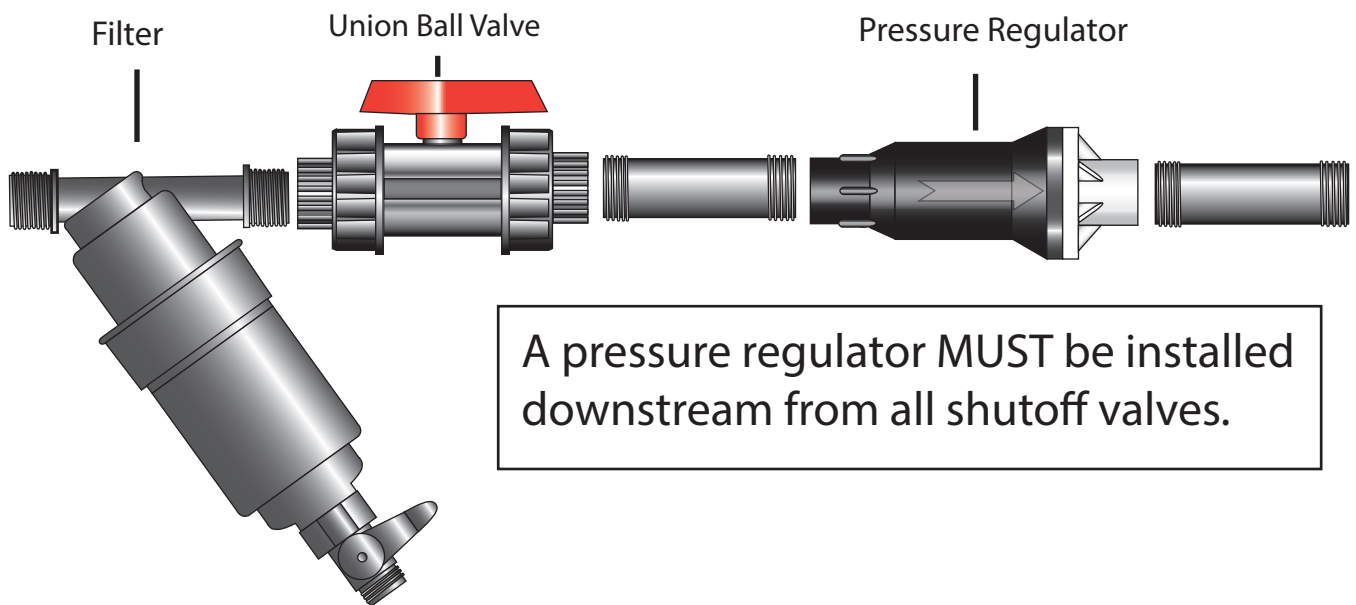


Pressure Limit Valve vs. Pressure Regulator



A pressure regulating limit valve, with its different internal construction, CAN BE installed upstream of shutoff valves.



A pressure regulator **MUST** be installed downstream from all shutoff valves.

While both devices will maintain a constant outlet pressure, the difference comes when there is no flow through the device. The standard pressure regulator will read the same pressure in and out when there is no flow. The limit valve has a rubber seat and therefore is able to constrain the downstream pressure to about 10-15 PSI above the rated outlet pressure, even with no flow conditions. This helps assure optimum system performance and protects downstream components. Both operate with very low lag time between the inlet and outlet, though the limit valve has slightly more friction loss at the same flows. A filter upstream is recommended for both.