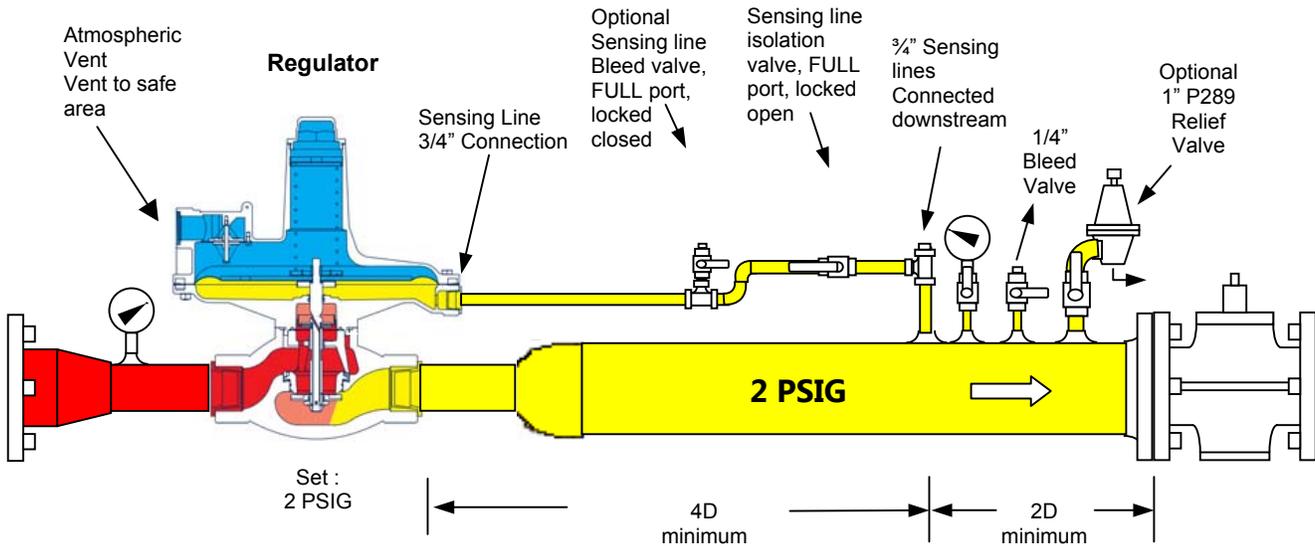


Typical BelGAS P133 Regulator with Downstream Token Relief Valve



Description: The 133 is a high flow, direct acting regulator with external sensing line. The sensing line should be of 3/4" or larger black iron or steel pipe and should be connected in the downstream piping. The relief valve is piped downstream of the main regulator. Its purpose is to relieve gas to atmosphere should the main regulator fail to close, thus keeping the downstream piping from over-pressurizing. The relief valve should be sized so that it can relieve enough gas to keep the downstream pipe pressure from exceeding an unsafe limit.

Installation Considerations:

1. Pressure gauges should be installed on inlet, and on the outlet
2. Sensing line should be connected in straight unobstructed section of pipe at least 4 pipe diameters downstream from the regulators, with an additional 2 pipe diameters of straight pipe after the sensing line connections. If the pipe flares up after the regulators, then sensing lines should be installed in this larger diameter pipe.
3. Isolation Shutoff valves can be installed on the sensing line but they must be FULL port and locked in the open position during normal operation to insure they are never accidentally closed – this can cause regulator to go wide open.
4. Bleed valves can be added to the sensing line to facilitate maintenance. They should be locked in the closed position and plugged. Bleed valves on sensing lines should only be used to remove pressure from the sensing line during maintenance – not to adjust set pressure.
5. A Primary Bleed valve can be installed downstream of the set. This can be used to maintain flow while making adjustments.
6. An appropriately sized Relief Valve can be installed on the outlet side of the set to protect the downstream piping from over pressurizing should the main regulator fail open.

Note: all adjustments should be made with gas flowing (either downstream equipment running or using the main bleed valve. If using a small bleed valve keep in mind that it may take some time to relieve the line pack)