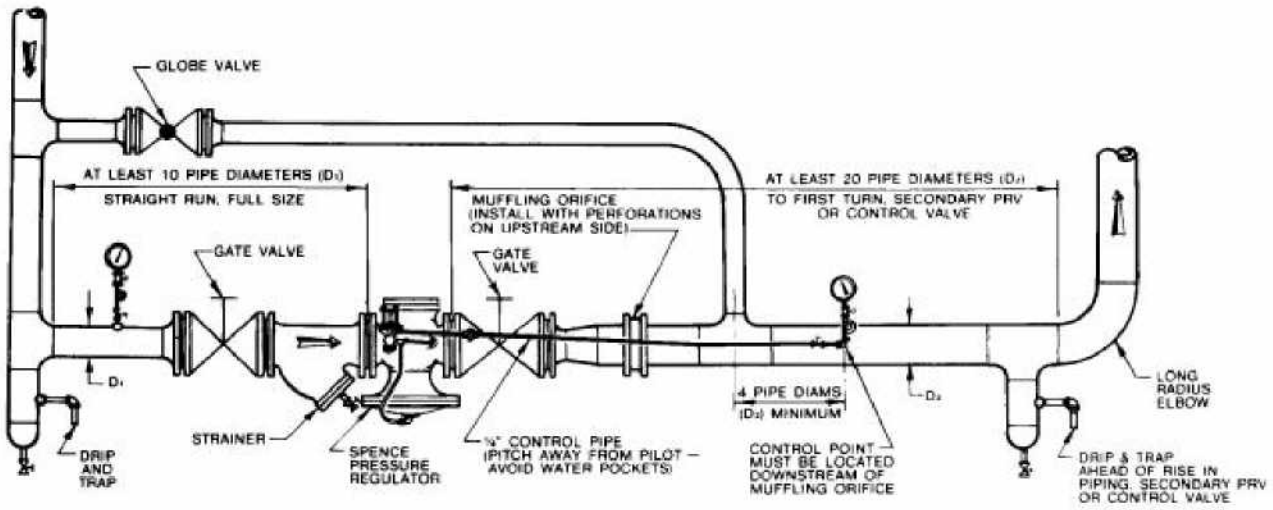
PRESSURE REGULATOR with MUFFLING ORIFICE

APPLICATION:

The Spence muffling orifice reduces the generation of pressure regulator noise at its source. It provides an economical means of attenuating high flow PRV noises by 6 - 20 dba.

OPERATION:

The muffling orifice consists of a steel plate with primary orifices, to which is welded a stainless steel plate with secondary orifices. The plate is installed in the expanded downstream piping, and creates the desired back pressure on the PRV for maximum attenuation.



ADVANTAGES:

Inexpensive.

Maintenance free.

Capacity of valve not reduced.

Ease of installation.

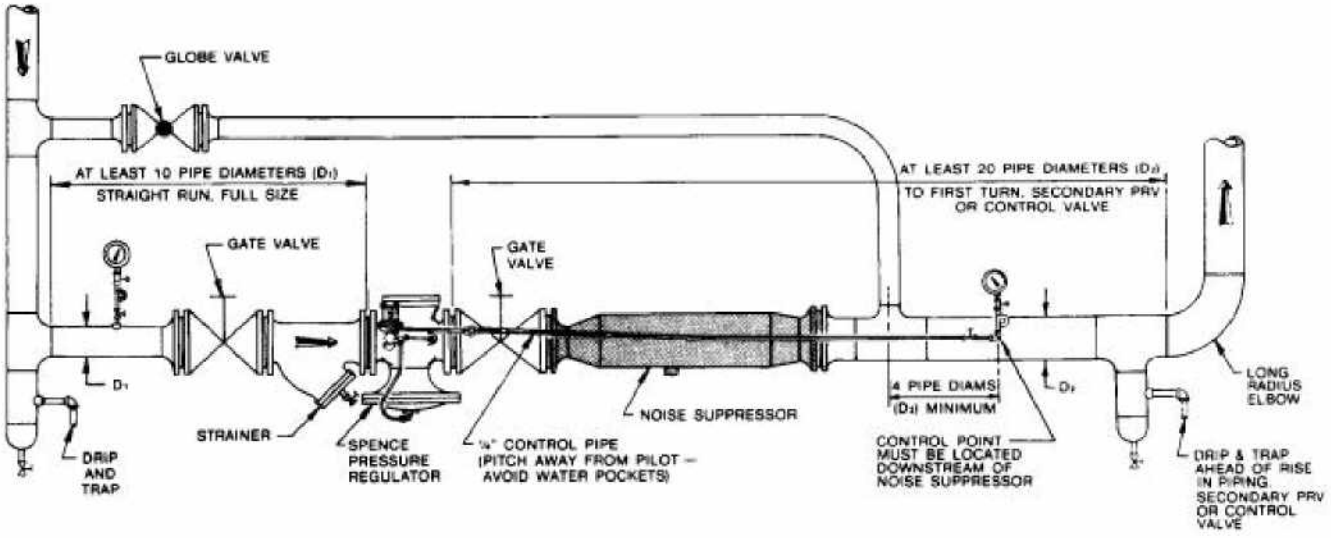
PRESSURE REGULATOR with NOISE SUPPRESSOR

APPLICATION:

The Spence Noise Suppressor is designed to attenuate the noise generated by a pressure reducing station. These devices are particularly effective in limiting the propagation of valve-generated noise into the downstream piping. Being of the dissipative reactive type, they are effective over abroad frequency band (up to 12,000 Hz). Depending upon flow and piping configuration, noise attenuation of up to 20 decibels is obtainable.

OPERATION:

Installed at the reducing valve outlet, the required pipeline expansion takes place within the noise suppressor. This expanded outlet feature eliminates the expense and noise often associated with separate expansion fittings. A reflector assembly improves performance by increasing the interaction of flow and acoustic material. The straight through design minimizes pressure drop, permitting normal valve sizing.



ADVANTAGES:

Maintenance free.

Standard Spence valves used.

Capacity of valve not reduced.