

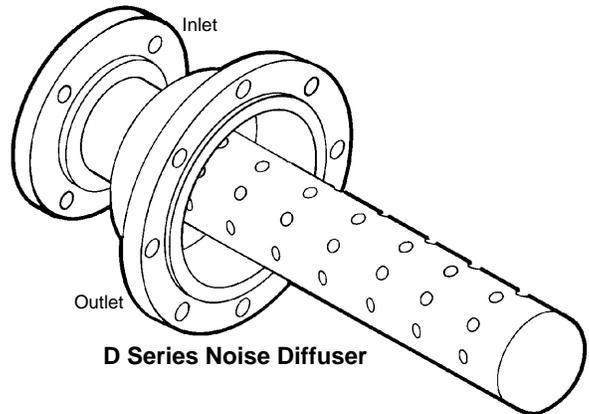
### D Series Noise Diffuser

#### Description

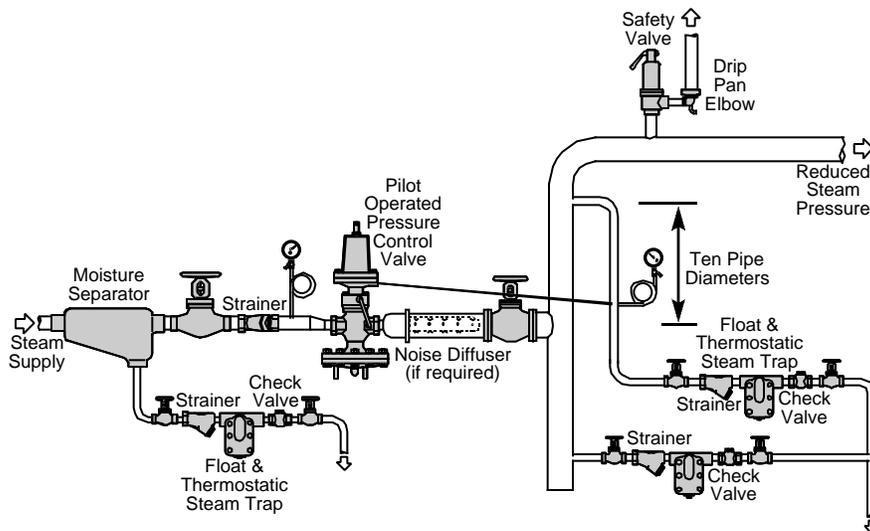
The D Series noise diffuser is designed to reduce pressure reducing valve noise generation. The diffuser breaks up normal exit turbulence of the steam flow using an engineered orifice pattern in a pipe nozzle inserted on the downstream side of a pressure reducing valve.

#### Warning!

Before proceeding with installation, ensure that stop valves have been closed and steam supply has been shut-off.



1. Before installing the pressure reducing valve, ensure the piping is free from foreign material, scale, etc.
2. Install the pressure reducing valve in accordance with the instructions supplied with the valve.
3. Connect the inlet of the noise diffuser directly to the outlet connection of the pressure reducing valve to avoid the generation of flanking noise.
4. Provide a length of at least 10 pipe diameters of pipe equal to the nominal size of the diffuser outlet. If desired, piping may then be reduced to a smaller size as long as flow velocity will not exceed 6,000 feet per minute.
5. Ensure that piping is adequately supported to avoid imposing stress on the valve body or the diffuser.
6. The typical hook-up shown below will aid in planning a correct installation.



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