



Pressure Relief Assembly

Purpose:

The primary function of the pressure relief assembly is to protect the gas outlet pipeline of vaporizers from leaking due to overpressure. By rupturing a pre-set disc, the chemical can flow into the assembly and open the pressure relief valve to vent the gas to a safe location if the pressure reaches 560 psig. Pressure relief assemblies are available for chlorine, sulfur dioxide and ammonia chemical lines.



Included:

- Rupture disc and holder
- Diaphragm protected pressure switch (and optional gauge)
- Pressure Relief Valve
- Piping and fittings

Specifications:

Piping is made from 1" schedule 80 seamless carbon steel pipe, A-106, Grade B. Fittings are made from 3000 pound forged carbon steel, A-105.

Rupture disc holder shall be of flanged type, or union type (*pictured*) upon customer request and shall have a rupture disc set to 400 psig at 72 °F. All rupture disc and holders shall be ASME certified.

A diaphragm protected pressure switch shall be installed downstream of the rupture disc for remote indication of a burst disc. This switch shall be factory set at 40 psig (2.75 barg).

Pressure Relief valve shall have a 1" MNPT inlet and 1.5" FNPT outlet. Relief pressure is factory set at 560 psig. Vent piping shall be seamless schedule 80 carbon steel pipe, A-106 and shall slope downward and include an insect screen.

