

1982 Series Safety Relief Valves

Overview

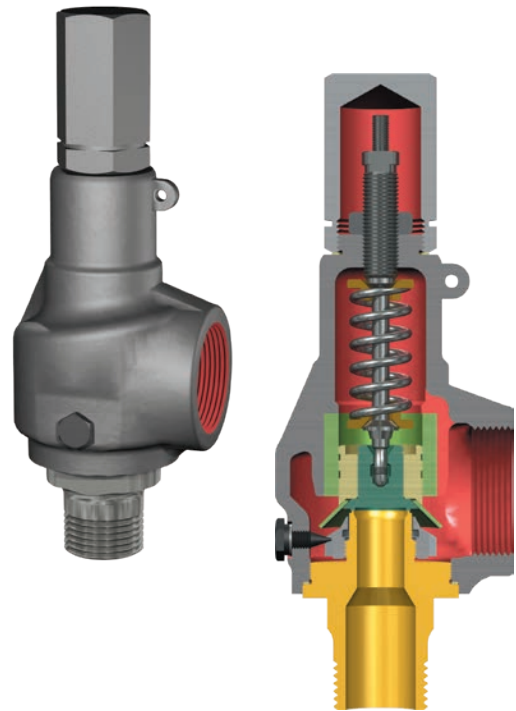
The **Consolidated™** 1982 Series safety Relief Valve from Baker Hughes is a threaded connection pressure relief valve for steam and liquid service applications. The valves are designed and manufactured in compliance with ASME B and PVC, Section XIII (UV Designator) and Section III (Class I, II and III).

Scope of Design

The 1982 Series is normally supplied with threaded inlet and outlet connections. The valve ranges in inlet sizes from .5" (12.7 mm) through 2" (50.8 mm). Maximum pressure setting is 500 psig (34.47 barg), minimum pressure setting is 10 psig (0.69 barg). This valve is available with a screwed cap, packed lever, plain lever, and gag. Unless otherwise specified, the valve is shipped with a screwed cap. The 2" (50.8 mm) 1982 Series safety relief valve can be used for all service media except steam service above 100 psig (6.89 barg).

Specifications

| | |
|-------------------|--|
| Inlet Sizes | 0.5" (12.7 mm) through 2" (50.8 mm) |
| Outlet Sizes | 0.75" (19.1 mm) through 2.5" (63.5 mm) |
| Inlet Ratings | ASME Class 150 and 300 |
| Outlet Ratings | ASME Class 150 |
| Orifice Sizes | Five sizes: 0.5" / 0.75" / 1" / 1.5" / 2" |
| Pressure Range | 10 psig (0.69 barg) to 500 psig (34.47 barg) |
| Temperature Range | -20°F (-29°C) to 800°F (427°C) |
| Materials | Carbon steel base and 316 stainless steel internal components. |
| Certifications | ASME B and PVC, Section III ASME B and PVC, Section XIII (UV) |



| 1982 Series SRV Standard Connections | | | | | | | | |
|--------------------------------------|------------|------|------------|-------------|------|--------------|-----------------|-----------------|
| Valve Type | Inlet Size | | Inlet Type | Outlet Size | | Out-let Type | Orifice Area | |
| | in. | mm | | in. | mm | | in ² | cm ² |
| 1/2-1982 | 0.5 | 12.7 | MNPT | 0.75 | 19.1 | FNPT | 0.121 | 0.781 |
| 3/4-1982 | 0.75 | 19.1 | MNPT | 1 | 25.4 | FNPT | 0.216 | 1.394 |
| 1-1982 | 1 | 25.4 | MNPT | 1.5 | 38.1 | FNPT | 0.332 | 2.142 |
| 1-1/2-1982 | 1.5 | 38.1 | MNPT | 2 | 50.8 | FNPT | 0.857 | 5.529 |
| 2-1982 | 2 | 50.8 | MNPT | 2.5 | 63.5 | FNPT | 1.399 | 9.026 |