

Consolidated™ 1982 Series Safety Relief Valves

Consolidated

a Baker Hughes business

Overview

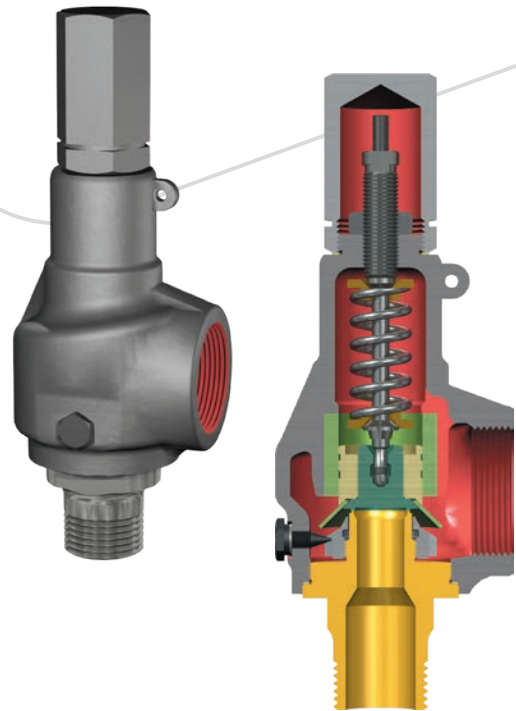
The Consolidated 1982 Series safety Relief Valve from Baker Hughes is a threaded connection pressure relief valve for steam and liquid service applications. The valves are designed and manufactured in compliance with ASME B and PVC, Section VIII and Section III (Class I, II and III).

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 VIII, Division I



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

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