

SRH25-SS ASME Hard Seat Stainless Steel Safety Valve

Applications: Higher Temperature i.e. After Coolers and Intercoolers



- Pressure Range: 50 to 350 psi
- Set Pressure Tolerances: $\pm 3\%$ of Set Pressure
- Temperature Range: -65 F to 400 F
- Construction: Seat Cap and Piston 304 Stainless Steel, 302 Stainless Steel Spring and 440 Stainless Steel Ball
- No Audible Leak at 45% Set Pressure at 25-74 psig, No Audible Leak at 90% Set Pressure Above 74 psig
- Stamped with UV and NB Symbols

Part No.	NPT	Height	Hex	Wt. (lbs.)
SRH25-SS	1/4"	1.99"	11/16"	.123

SRH375-SS ASME Hard Seat Stainless Steel Safety Valve

Applications: Higher Temperature i.e. After Coolers and Intercoolers



- Pressure Range: 50 to 350 psi
- Set Pressure Tolerances: $\pm 3\%$ of Set Pressure
- Temperature Range: -65 F to 400 F
- Construction: Seat Cap and Piston 304 Stainless Steel, 302 Stainless Steel Spring and 440 Stainless Steel Ball
- No Audible Leak at 45% Set Pressure at 25-74 psig, No Audible Leak at 90% Set Pressure Above 74 psig
- Stamped with UV and NB Symbols

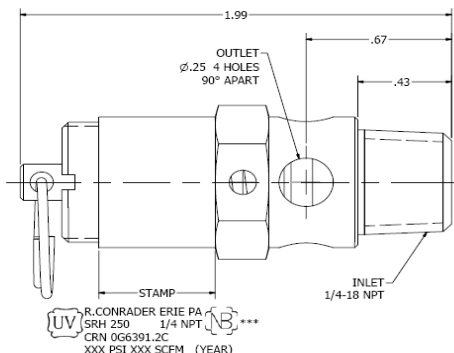
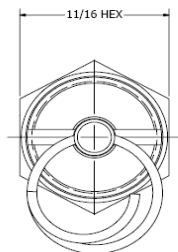
Part No.	NPT	Height	Hex	Wt. (lbs.)
SRH375-SS	1/2"	3.41"	7/8"	.405

Conrader Safety Valve Capacity Chart

PSIG	SRH25-SS	SRH375-SS	PSIG	SRH25-SS	SRH375-SS
50	50	116	205	172	401
55	54	125	210	176	410
60	58	134	215	180	419
65	62	143	220	184	428
70	66	153	225	188	437
75	69	162	230	192	447
80	73	171	235	196	456
85	77	180	240	200	465
90	81	189	245	204	474
95	85	199	250	208	483
100	89	208	255	212	492
105	93	217	260	216	502
110	97	226	265	220	511
115	101	235	270	224	520
120	105	244	275	228	529
125	109	254	280	232	538
130	113	263	285	236	548
135	117	272	290	240	557
140	121	281	295	244	566
145	125	290	300	248	575
150	129	300	305	252	584
155	133	309	310	256	594
160	137	318	315	260	603
165	141	327	320	264	612
170	145	336	325	267	621
175	149	346	330	271	630
180	153	355	335	275	639
185	157	364	340	279	649
190	161	373	345	283	658
195	165	382	350	287	667
200	168	391	—	—	—

PRODUCT TECHNICAL DATA

SRH25-SS 1/4" Hard Seat Stainless Steel Safety Valve					
VALVE MODEL #:	SRH25-SS	ISSUE DATE:	07/08/08	REVISION #:	0000
		REVISION DATE	08/01/10	REVISED BY:	JPC
SET PRESSURE RANGE		MINIMUM	50 PSIG	MAXIMUM	350 PSIG
SET PRESSURE TOLERANCE		MINIMUM	-3%	MAXIMUM	+3%
SEAT LEAKAGE		No Audible Leak at 45% Set Pressure at 25-74 psig No Audible Leak at 90% Set Pressure Above 74 psig			
OPERATING TEMPERATURE		MINIMUM	-65F	MAXIMUM	400F
FLOW FACTOR (SLOPE METHOD)				SLOPE	0.72
PRODUCT WEIGHT				Lbs.	0.123
MATERIALS OF CONSTRUCTION		Seat Cap Piston	304 Stainless Steel		
		Spring	302 Stainless Steel		
		Seal	440C Stainless Steel Ball		
PROCESS CONNECTIONS		INLET	1/4 NPT		
CERTIFICATIONS		ASME Boiler and Pressure Vessel Code Section VIII Division I CSA B51-03 Boiler, Pressure, Vessel, and Pressure Piping Code			



Operation Guidelines for Safety Valves

Safety Relief Valve Pointers

- ASME Codes require that valves for air, steam and water service over 140 °F (60 °C) have test levers or pull rings.
- The safety valve is designed to protect equipment from overpressure. The valve should be handled with care, not subjected to heavy shock loads and protected from contamination. It should be installed as instructed below and correctly as to ASME Boiler and Pressure Code requirements. **FAILURE TO THIS CAN RESULT IN DAMAGE TO PROPERTY OR SERIOUS BODILY INJURY**
- Safety relief valves should be installed vertically with the drain holes open. Horizontal mounting could affect the alignment of the moving parts and hinder the operation of the valve. The valve should be installed in a location that will not direct the discharge air at nearby personnel. Mount the valve in a location that will subject it to the least amount of vibration. Vibration can cause the valve disc or piston to move against the seat which could possibly damage the valve and cause it to leak.
- When installing the valve care should be taken not to damage or distort the valve. Use only the wrench flats closest to the bottom of the valve during installation and use the proper size wrench to avoid damage to the surface of the valve and to prevent distortion which can interfere with the valve operation or may change the set pressure. Do not over tighten.
- ASME certified valves are factory sealed and are required to be used with ASME certified pressure vessels or systems. ASME certified valves can also be used in non certified or non-code systems.

Maintenance

- Develop a regular program of visual inspection, looking for clogged drains and discharge, dirt build-up in and around the valve seat and broken or missing parts or seals.
- Test the valve every six to twelve months (depending on the plant's age and condition) by operating the pull ring.
- Do not paint, oil or otherwise cover any exterior, interior or working parts of any safety valve. They do not require any lubrication or protective coating to work properly.
- When safety/relief valves require repair, service adjustments, or set pressure changes, work must be accomplished by the manufacturer or holders of "UV" Stamp.