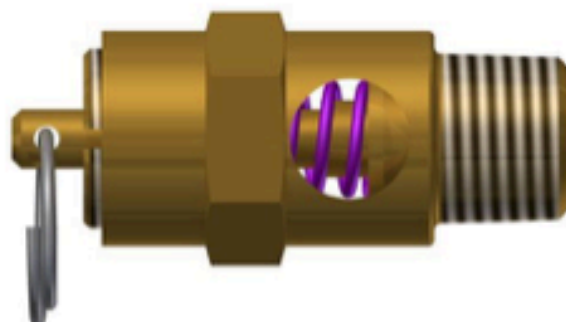




Pressure Relief Valve

Model: SRV250



Set Pressure Range: 25-450 psig

Set Pressure Tolerance: ± 2 psig up to and including 70 psig, $\pm 3\%$ of set pressure greater than 70 psig. As required in paragraph UG-134(d)(1) of the ASME Boiler & Pressure Vessel Code Sec. VIII Div. 1.

Seat Leakage: Bubble Tight within 5 psig for set pressure 50 psig or less
Bubble Tight within 10% for set pressure greater than 50 psig
As required in paragraph 2.2.3 of API 527.

Flow Factor (Slope Method): 0.74

Operating Temperature Range: -65° to 400°F

Materials of Construction:

Seat, Cap, Piston: ASTM B16 Brass or ASTM A582 Stainless

Spring: 17-7 Stainless Steel

Seal: Silicone, Viton or EPDM

Valve Weight: 0.10 lbm

Valve Options:

Valve Material: ASTM B16 Brass or ASTM A582 Stainless

Compliance with European PED 2014/68/EU, "CE" Stamp

Compliance with UK PESR SI 2016 no. 1105 as amended, "UK CA" Stamp

Seal: Silicone (25-350 psig @ -65° to 400°F) or Viton (25-450 psig @ -15° to 400°F)

High Pressure Setting 351-450 psi (Valve Weight 0.11 lbm)

Plating: Nickel Plating

Inlet NPT Sizes: 1/8 NPT or BSPT

1/4 NPT, BSPT, or BSPP

3/8 NPT, BSPT, or BSPP

Certifications:

ASME Boiler & Pressure Vessel Code Section VIII Division 1

CSA B51-03 Boiler, Pressure, Vessel, and Pressure Piping Code

CONRADER

Ordering Information

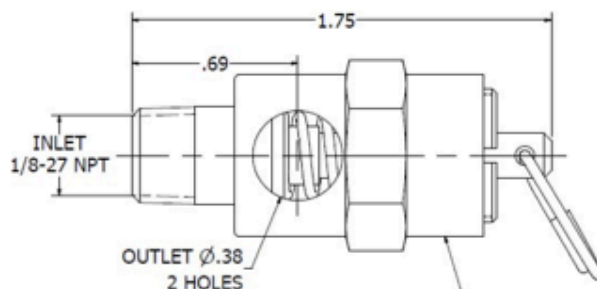
SRV250		-	1/4		-	BSPT		-	SS		-	V		-	CE		-	SC		-	SST		-	150			
Connection Size				Connection Type				Construction Material				Seal Material				Optional Code				Serialized				Thread Sealant		Pressure Setting	
Option	Code	Option	Code	Option	Code	Option	Code	Option	Code	Option	Code	Option	Code	Option	Code	Option	Code	Option	Code	Option	Code	Option	Code	Option	Code	Option	Code
1/8"	1/8	NPT	(Blank)	Brass	(Blank)	Silicone	(Blank)	None	(Blank)	None	(Blank)	None	(Blank)	None	(Blank)	None	(Blank)	None	(Blank)	None	(Blank)	None	(Blank)	None	(Blank)	None	(Blank)
1/4"	1/4	BSPT	BSPT	Nickel Plated	NP	Viton®	V	CE Mark	CE	Serialized	SC	White	SST														
3/8"	3/8"			Stainless Steel	SS			Non-Code	NC																		

Options

- Connection Size: The available sizes are 1/8", 1/4", or 3/8".
- Connection Type
 - NPT – Pipe Threads made to the ASME B1.20.1 Standard
 - BSPT – Pipe Threads made to the ISO 7-1 Standard
 - BSPP – Pipe Threads made to the ISO 7-1 Standard
- Construction Material
 - Brass
 - Nickel Plated – Electroless Nickel Plated Brass
 - Stainless Steel
- Seal Material
 - Silicone
 - Viton®
 - EPDM
- Optional Code
 - None: Will meet the requirements of ASME BPV Code Section VIII Division 1.
 - CE/UKCA Mark: Valve has the "CE/UKCA" certification for the European PED and UK PESR.
 - Non-Code: For valves with a pressure setting below 25 psi.
- Serialized Valves: Have a unique serial number and include certificate.
- Thread Sealant
 - White colored thread sealant

Examples:

- A 1/4" NPT brass valve with a silicone seal set 200 psi is **SRV250-1/4-200**.
- A 1/8" BSPT brass valve with a Viton seal and white thread sealant set at 100 psi is **SRV250-1/8-BSPT-V-SST-100**.



ROLLSTAMP
*** R. CONRADER ERIE PA
*** SRV250 1/8 NPT
*** CRN 0G06391.2C
UV XXX PSI XXX SCFM 200XX

NOTES:

- * OPERATING TEMPERATURE RANGE: -65°F TO 400°F
- * SET PRESSURE RANGE: 25-350 psig
- * SET PRESSURE TOLERANCE: ± 2 psig UP TO AND INCLUDING 70 psig, $\pm 3\%$ OF SET PRESSURE GREATER THAN 70 psig.
- * SEAT TIGHTNESS: BUBBLE TIGHT WITHIN 5 psig FOR SET PRESSURE 50 psig OR LESS. BUBBLE TIGHT WITHIN 10% FOR SET PRESSURE GREATER THAN 50 psig.
- * VALVE WEIGHT: 0.09 lbmass

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749 EAST 18TH STREET P.O. BOX 304
ERIE, PA 16512-0924 (814) 996-2727
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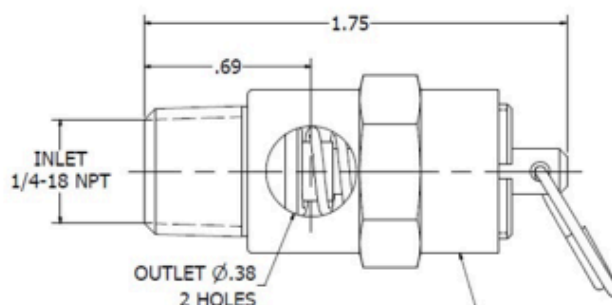
DESCRIPTION
DIM. OUTLINE
VALVE MODEL
SRV250-1/8
MATERIAL

ISSUED BY
STAUFFER
REVISED BY
NRP
SCALE
2:1

ISSUED
1/27/2005
REVISED
1/20/2016
DRAWING NO.
5008

GROUP
SV
PAGE 2 OF 4

REVISION
F



ROLLSTAMP
*** R. CONRADER ERIE PA
*** SRV250 1/4 NPT
*** CRN 0G06391.2C
UV XXX PSI XXX SCFM 200XX

NOTES:

- * OPERATING TEMPERATURE RANGE: -65°F TO 400°F
- * SET PRESSURE RANGE: 25-350 psig
- * SET PRESSURE TOLERANCE: ± 2 psig UP TO AND INCLUDING 70 psig, $\pm 3\%$ OF SET PRESSURE GREATER THAN 70 psig.
- * SEAT TIGHTNESS: BUBBLE TIGHT WITHIN 5 psig FOR SET PRESSURE 50 psig OR LESS. BUBBLE TIGHT WITHIN 10% FOR SET PRESSURE GREATER THAN 50 psig.
- * VALVE WEIGHT: 0.10 lbmass

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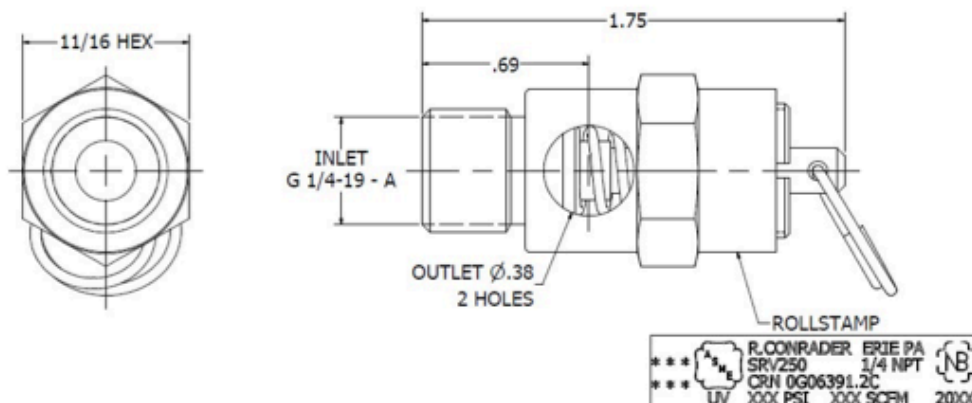
DESCRIPTION
DIM. OUTLINE
VALVE MODEL
SRV250-1/4
MATERIAL

ISSUED BY
L. CONTI
REVISED BY
NRP
SCALE
2:1

ISSUED
8/22/1994
REVISED
1/20/2016
DRAWING NO.
1299

GROUP
SV
PAGE 2 OF 4

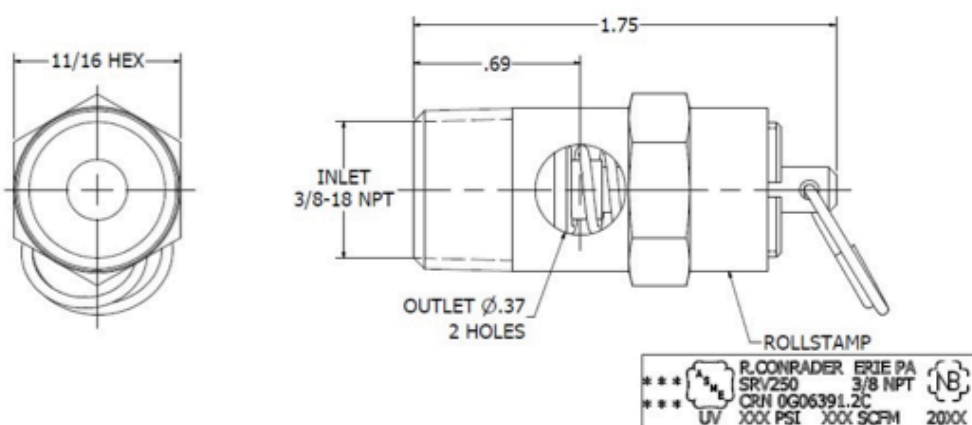
REVISION
I



NOTES:

- * OPERATING TEMPERATURE RANGE: -15°F TO 400°F
- * SET PRESSURE RANGE: 25-350 psig
- * SET PRESSURE TOLERANCE: ±2 psig UP TO AND INCLUDING 70 psig, ±3% OF SET PRESSURE GREATER THAN 70 psig.
- * SEAT TIGHTNESS: BUBBLE TIGHT WITHIN 5 psig FOR SET PRESSURE 50 psig OR LESS. BUBBLE TIGHT WITHIN 10% FOR SET PRESSURE GREATER THAN 50 psig.
- * VALVE WEIGHT: 0.10 lbmass

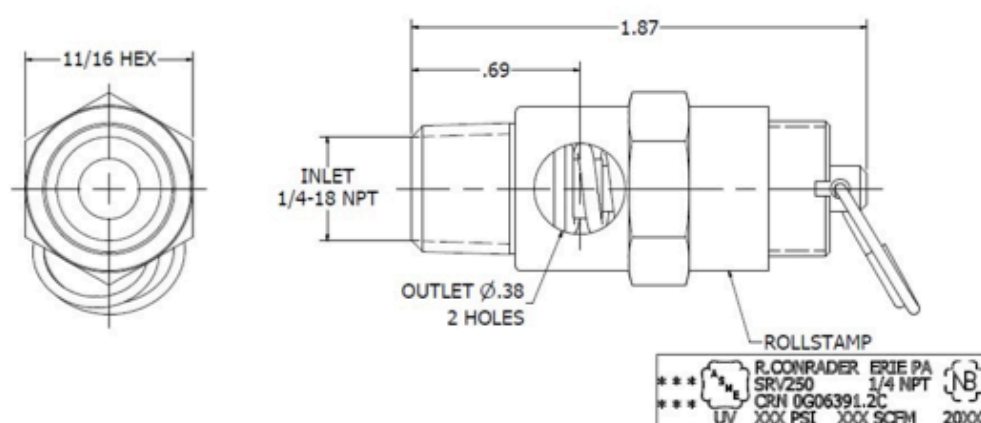
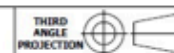
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		NRP	1/10/2013	SV
		REVIEWED BY	REVIEWED	PAGE 2 OF 6
		NRP	1/20/2016	REVISION
		SCALE		DRAWING NO.
		2:1		6940



NOTES:

- * OPERATING TEMPERATURE RANGE: -65°F TO 400°F
- * SET PRESSURE RANGE: 25-350 psig
- * SET PRESSURE TOLERANCE: ±2 psig UP TO AND INCLUDING 70 psig, ±3% OF SET PRESSURE GREATER THAN 70 psig.
- * SEAT TIGHTNESS: BUBBLE TIGHT WITHIN 5 psig FOR SET PRESSURE 50 psig OR LESS. BUBBLE TIGHT WITHIN 10% FOR SET PRESSURE GREATER THAN 50 psig.
- * VALVE WEIGHT: 0.12 lbmass

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		STAUFFER	4/17/2008	SV	
		REVIEWED BY	REVIEWED	PAGE 2 OF 4	
		NRP	1/20/2016	REVISION	
		SCALE		DRAWING NO.	F
		2:1		5633	



NOTES:

- * OPERATING TEMPERATURE RANGE: -15°F TO 400°F
- * SET PRESSURE RANGE: 351-450 psig
- * SET PRESSURE TOLERANCE: $\pm 3\%$ OF SET PRESSURE.
- * SEAT TIGHTNESS: BUBBLE TIGHT WITHIN 10% OF SET PRESSURE.
- * VALVE WEIGHT: 0.12 lbmass

 CONRADER VALVES R. CONRADER COMPANY 299 EAST 10TH STREET P.O. BOX 104 ERIE, PA 16513-0104 (814) 896-2727	DESCRIPTION DIM. OUTLINE VALVE MODEL SRV250-1/4-V (351-450 psig) MATERIAL	ISSUED BY NRP	ISSUED 5/30/2008	GROUP SV
		REVIEWED BY NRP	REVIEWED 1/20/2016	PAGE 4 OF 6
		SCALE 2:1	DRAWING NO. 5663N	REVISION E
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SRV250 FLOW CAPACITY

SETTING (PSI)	SCFM
25	31
30	35
35	39
40	43
45	47
50	51
55	55
60	59
65	63
70	67
75	71
80	75
85	80
90	84
95	88
100	92
105	96
110	100
115	104
120	108
125	112
130	116
135	120
140	124
145	128
150	132
155	137
160	141
165	145

SETTING (PSI)	SCFM
170	149
175	153
180	157
185	161
190	165
195	169
200	173
205	177
210	181
215	185
220	189
225	194
230	198
235	202
240	206
245	210
250	214
255	218
260	222
265	226
270	230
275	234
280	238
285	242
290	246
295	251
300	255
305	259
310	263

SETTING (PSI)	SCFM
315	267
320	271
325	275
330	279
335	283
340	287
345	291
350	295
355	299
360	303
365	307
370	312
375	316
380	320
385	324
390	328
395	332
400	336
405	340
410	344
415	348
420	352
425	356
430	360
435	364
440	369
445	373
450	377