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847-487-0909
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SRV ASME SOFT SEAT SAFETY VALVE

Applications: Small Air Compressors with High Flow Requirements

- Pressure Range: 25 to 450 psi
- Set Pressure Tolerances: ± 3% of Set Pressure
- Temperature Range: -65 F to 400 F
- Construction: Seat Cap and Piston C360 Brass (ASTM B-16), 17-7 Stainless Steel Spring and Silicone Seal
- Bubble Tight to Within 5 psig for Set pressure 50 psig or Less, Bubble Tight to Within 10% for Set Pressures Greater than 50 psig. 100% Testing or 2.5 AQL Sample Testing, Conforming to AP1 527
- Stamped with the UV and NB Symbols
- Everseal 483 Sealant Standard
- Available Sizes: 1/8", 1/4", 3/8" and BSPT Threads

Part No.	Height (In)	Hex (In)	Wt. Lbs.
SRV18	1.75	11/16	0.150
SRV25			
SRV38			

SRV187 ASME SOFT SEAT SAFETY VALVE

Applications: Compact Size Low Flow

- Stock Pressure Range: **75, 125, 145, 150, 165, 200 225** Other Pressures Available Up to 250 psi
- Set Pressure Tolerances: ± 3% of Set Pressure
- Temperature Range: -65 F to 400 F
- Construction: Seat Cap and Piston C360 Brass (ASTM B-16), 17-7 Stainless Steel Spring and Silicone Seal
- Bubble Tight to Within 5 psig for Set pressure 50 psig or Less, Bubble Tight to Within 10% for Set Pressures Greater than 50 psig. 100% Testing or 2.5 AQL Sample Testing, Conforming to AP1 527
- Stamped with the UV and NB Symbols
- Everseal 483 Sealant Standard
- Available Sizes: 1/4", 1/8" and BSPT Threads

Part No.	Height (In)	Hex (In)	Wt. Lbs.
SRV187-18	1.70	9/16	0.064
SRV187-25			

SRV390 ASME SOFT SEAT SAFETY VALVE

Applications: Standard Flow Capacities

- Pressure Range: 25 to 300 psi
- Set Pressure Tolerances: 3% of Set Pressure
- Temperature Range: -65 F to 400 F
- Construction: Seat Cap and Piston C360 Brass (ASTM B-16), 17-7 Stainless Steel Spring and Silicone Seal
- Bubble Tight to Within 5 psig for Set pressure 50 psig or Less, Bubble Tight to Within 10% for Set Pressures Greater than 50 psig. 100% Testing or 2.5 AQL Sample Testing, Conforming to AP1 527
- Stamped with the UV and NB Symbols
- Everseal 483 Sealant Standard
- Available Sizes: 1/2" and BSPT Threads

Part No.	Height (In)	Hex (In)	Wt. Lbs.
SRV390	2.69	7/8	.281

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SRV530 ASME SOFT SEAT SAFETY VALVE

Applications: High Flow Requirements

- Pressure Range: 25 to 300 psi
- Set Pressure Tolerances: ± 3% of Set Pressure
- Temperature Range: -65 F to 400 F
- Construction: Seat Cap and Piston C360 Brass (ASTM B-16), 17-7 Stainless Steel Spring and Silicone Seal
- Bubble Tight to Within 5 psig for Set pressure 50 psig or Less, Bubble Tight to Within 10% for Set Pressures Greater than 50 psig
- Stamped with the UV and NB Symbols
- Available Sizes: 1/2", 3/4" and BSPT Threads

Part No.	Height (In)	Hex (In)	Wt. Lbs.
SRV530-50	3.66	1-1/16	.608
SRV530-75	3.69		

SRV765 ASME SOFT SEAT SAFETY VALVE

Applications: High Flow Requirements

- Pressure Range: 25 to 300 psi
- Set Pressure Tolerances: ± 3% of Set Pressure
- Temperature Range: -65 F to 400 F
- Construction: Seat Cap and Piston C360 Brass (ASTM B-16), 17-7 Stainless Steel Spring and Silicone Seal
- Bubble Tight to Within 5 psig for Set pressure 50 psig or Less, Bubble Tight to Within 10% for Set Pressures Greater than 50 psig
- Stamped with the UV and NB Symbols
- Available Sizes: 1", 1-1/4" and BSPT Threads

Part No.	Height (In)	Hex (In)	Wt. Lbs.
SRV765-10	4.47	1-5/8	1.412
SRV765-12		1-11/16	

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Safety Valve Capacity Chart					
PSIG	SRV 18/25/38	SRV187	SRV390	SRV530	SRV765
25	31	17	66	143	304
30	35	19	73	159	340
35	39	21	82	178	379
40	43	24	90	196	418
45	47	26	99	215	457
50	51	28	108	233	497
55	55	30	116	251	536
60	59	33	125	270	575
65	63	35	133	288	614
70	67	37	142	307	654
75	71	39	150	325	693
80	75	42	159	344	732
85	80	44	167	362	771
90	84	46	176	380	811
95	88	48	184	399	850
100	92	51	193	417	889
105	96	53	201	436	928
110	100	55	210	454	967
115	104	57	218	473	1007
120	108	60	227	491	1046
125	112	62	235	509	1085
130	116	64	244	528	1124
135	120	66	252	546	1164
140	124	69	261	565	1203
145	128	71	270	583	1242
150	132	73	278	601	1281
155	137	75	287	620	1321
160	141	78	295	638	1360
165	145	80	304	657	1399
170	149	82	312	675	1438
175	153	84	321	694	1477
180	157	87	329	712	1517
185	161	89	338	730	1556
190	165	91	346	749	1595
195	169	93	355	767	1634
200	173	96	363	786	1674

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Safety Valve Capacity Chart					
PSIG	SRV 18/25/38	SRV187	SRV390	SRV530	SRV765
205	177	98	372	804	1713
210	181	100	380	823	1752
215	185	102	389	841	1791
220	189	105	397	859	1831
225	194	107	406	878	1870
230	198	109	414	896	1909
235	202	112	423	915	1948
240	206	114	431	933	1987
245	210	116	440	952	2027
250	214	118	449	970	2066
255	218		457	988	2105
260	222		466	1007	2144
265	226		474	1025	2184
270	230		483	1044	2223
275	234		491	1062	2262
280	238		500	1081	2301
285	242		508	1099	2341
290	246		517	1117	2380
295	251		525	1136	2419
300	255		534	1154	2458
305	259				
310	263				
315	267				
320	271				
325	275				
330	279				
335	283				
340	287				
345	291				
350	295				
360	303				
370	312				
380	320				
390	328				
400	336				
410	344				
420	352				
430	360				
440	369				
450	377				

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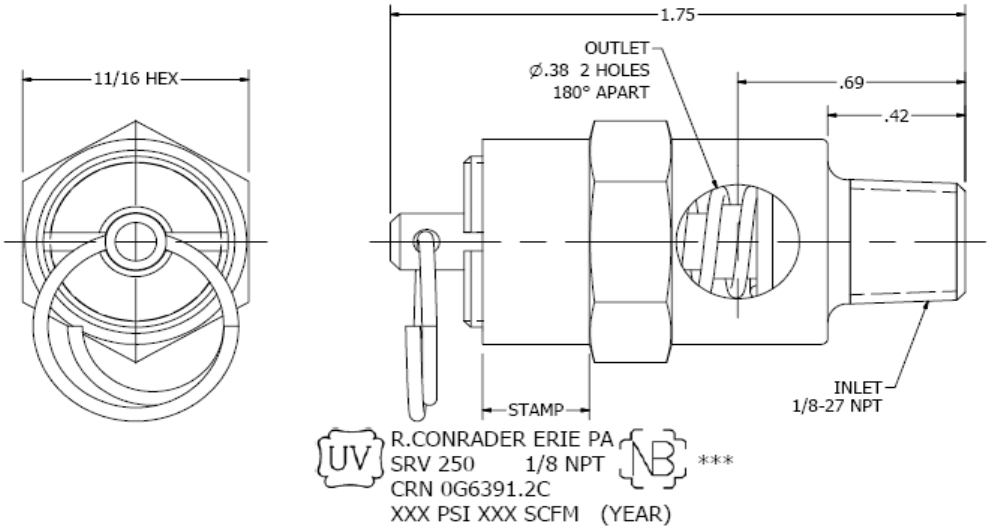
PRODUCT TECHNICAL DATA

SRV18 1/8" Soft Seat Safety Valve					
VALVE MODEL #:	**SRV250-18**	**ISSUE DATE:**	07/11/08	**REVISION #:**	0000
		REVISION DATE	08/01/10	**REVISED BY:**	NRP
SET PRESSURE RANGE		**MINIMUM**	25 PSIG	**MAXIMUM**	450 PSIG
SET PRESSURE TOLERANCE		**MINIMUM**	-3%	**MAXIMUM**	+3%
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 100% Testing or 2.5 AQL Sample Testing, Conforming to API 527			
OPERATING TEMPERATURE		**MINIMUM**	-65F	**MAXIMUM**	400F
FLOW FACTOR (SLOPE METHOD)				**SLOPE**	0.74
PRODUCT WEIGHT				**Lbs.**	0.15
MATERIALS OF CONSTRUCTION		Seat Cap & Piston	C360 Brass (ASTM B-16)		
		Spring	17-7 Stainless Steel		
		Seal	Silicone		
PROCESS CONNECTIONS		Inlet	1/8 NPT, 1/8 BSPT		
CERTIFICATIONS		ASME Boiler & Pressure Vessel Code Section VIII Division I CSA B51-03 Boiler, Pressure, Vessel, and Pressure Piping Code			



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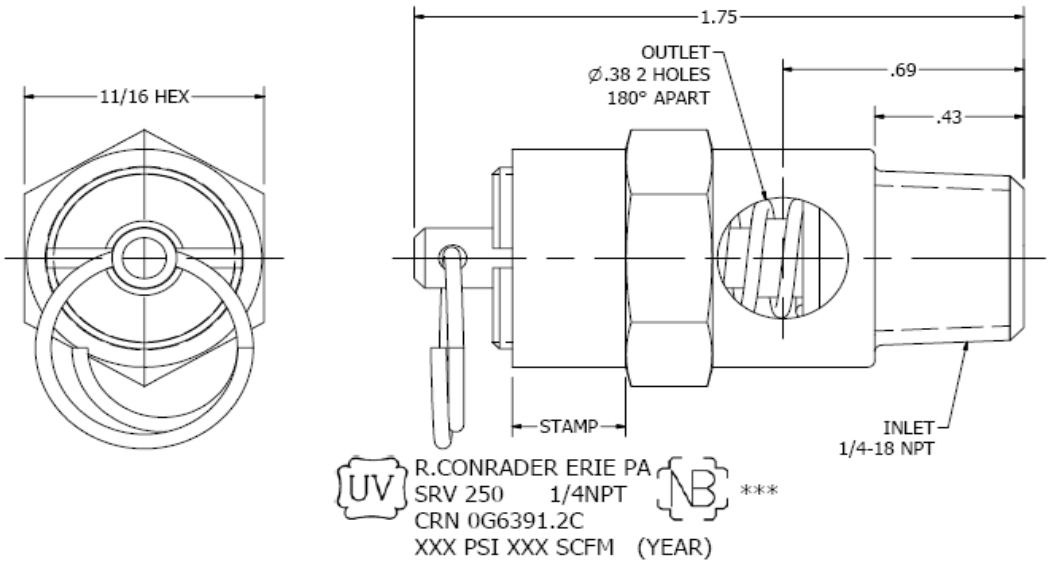
PRODUCT TECHNICAL DATA

SRV25 1/4" Soft Seat Safety Valve

VALVE MODEL #:	**SRV250**	**ISSUE DATE:**	02/24/06	**REVISION #:**	0000
		REVISION DATE	08/01/10	**REVISED BY:**	NRP

SET PRESSURE RANGE	**MINIMUM**	25 PSIG	**MAXIMUM**	450 PSIG
SET PRESSURE TOLERANCE	**MINIMUM**	-3%	**MAXIMUM**	+3%
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 100% Testing or 2.5 AQL Sample Testing, Conforming to API 527			
OPERATING TEMPERATURE	**MINIMUM**	-65F	**MAXIMUM**	400F
FLOW FACTOR (SLOPE METHOD)			**SLOPE**	0.74
PRODUCT WEIGHT			**Lbs.**	0.15
MATERIALS OF CONSTRUCTION	Seat Cap & Piston	C360 Brass (ASTM B-16)		
	Spring	17-7 Stainless Steel		
	Seal	Silicone		
PROCESS CONNECTIONS	Inlet	1/4 NPT, 1/4 BSPT		
CERTIFICATIONS	ASME Boiler & Pressure Vessel Code Section VIII Division I CSA B51-03 Boiler, Pressure, Vessel, and Pressure Piping Code			



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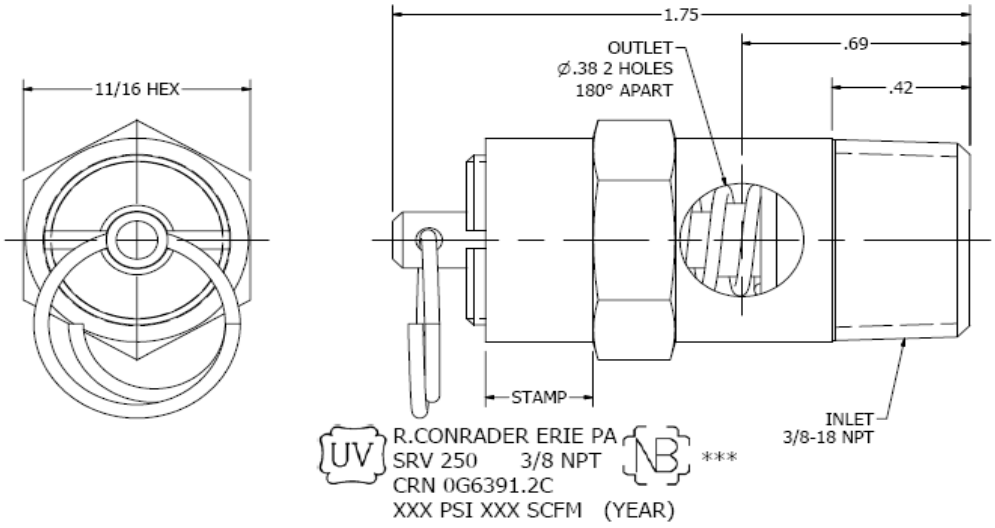
PRODUCT TECHNICAL DATA

SRV38 3/8" Soft Seat Safety Valve

VALVE MODEL #:	**SRV250-38**	**ISSUE DATE:**	02/24/06	**REVISION #:**	0000
		REVISION DATE	08/01/10	**REVISED BY:**	NRP

SET PRESSURE RANGE	**MINIMUM**	25 PSIG	**MAXIMUM**	450 PSIG
SET PRESSURE TOLERANCE	**MINIMUM**	-3%	**MAXIMUM**	+3%
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 100% Testing or 2.5 AQL Sample Testing, Conforming to API 527			
OPERATING TEMPERATURE	**MINIMUM**	-65F	**MAXIMUM**	400F
FLOW FACTOR (SLOPE METHOD)			**SLOPE**	0.74
PRODUCT WEIGHT			**Lbs.**	0.15
MATERIALS OF CONSTRUCTION	Seat Cap & Piston	C360 Brass (ASTM B-16)		
	Spring	17-7 Stainless Steel		
	Seal	Silicone		
PROCESS CONNECTIONS	Inlet	3/8 NPT, 3/8 BSPT		
CERTIFICATIONS	ASME Boiler & Pressure Vessel Code Section VIII Division I CSA B51-03 Boiler, Pressure, Vessel, and Pressure Piping Code			



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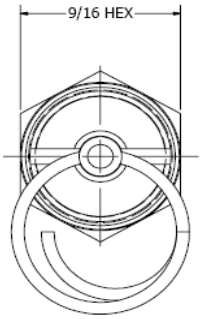
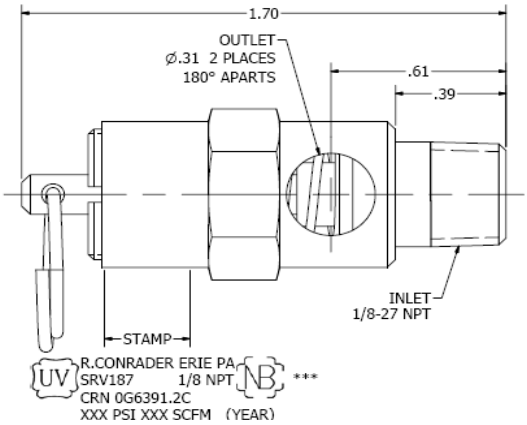
PRODUCT TECHNICAL DATA

SRV187-18 1/8" Soft Seat Safety Valve					
VALVE MODEL #:	**SRV187**	**ISSUE DATE:**	08/29/08	**REVISION #:**	0002
		REVISION DATE	08/01/10	**REVISED BY:**	NFW
SET PRESSURE RANGE		**MINIMUM**	25 PSIG	**MAXIMUM**	250 PSIG
SET PRESSURE TOLERANCE		**MINIMUM**	-3%	**MAXIMUM**	+3%
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 100% Testing or 2.5 AQL Sample Testing, Conforming to API 527			
OPERATING TEMPERATURE		**MINIMUM**	-65F	**MAXIMUM**	400F
FLOW FACTOR (SLOPE METHOD)				**SLOPE**	0.41
PRODUCT WEIGHT				**Lbs.**	0.064
MATERIALS OF CONSTRUCTION		Seat Cap & Piston	C360 Brass (ASTM B-16)		
		Spring	17-7 Stainless Steel		
		Seal	Silicone		
PROCESS CONNECTIONS		Inlet	1/8 NPT, 1/8 BSPT		
CERTIFICATIONS		ASME Boiler & Pressure Vessel Code Section VIII Division I CSA B51-03 Boiler, Pressure, Vessel and Pressure Piping Code			





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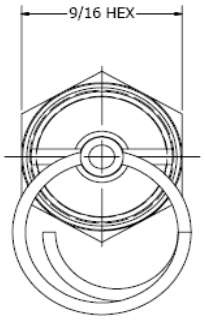
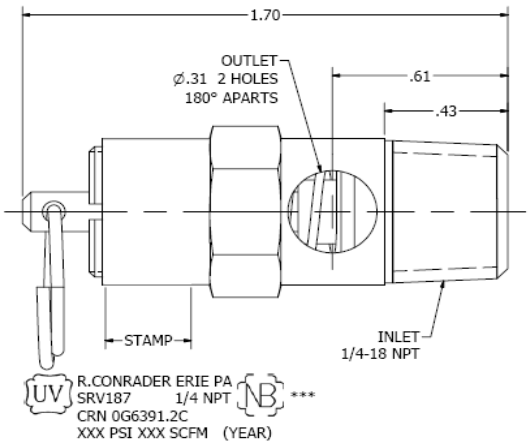
PRODUCT TECHNICAL DATA

SRV187-25 1/4" Soft Seat Safety Valve					
VALVE MODEL #:	**SRV187**	**ISSUE DATE:**	08/29/08	**REVISION #:**	0002
		REVISION DATE	08/01/10	**REVISED BY:**	NFW
SET PRESSURE RANGE		**MINIMUM**	25 PSIG	**MAXIMUM**	250 PSIG
SET PRESSURE TOLERANCE		**MINIMUM**	-3%	**MAXIMUM**	+3%
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 100% Testing or 2.5 AQL Sample Testing, Conforming to API 527			
OPERATING TEMPERATURE		**MINIMUM**	-65F	**MAXIMUM**	400F
FLOW FACTOR (SLOPE METHOD)				**SLOPE**	0.41
PRODUCT WEIGHT				**Lbs.**	0.064
MATERIALS OF CONSTRUCTION		Seat Cap & Piston	C360 Brass (ASTM B-16)		
		Spring	17-7 Stainless Steel		
		Seal	Silicone		
PROCESS CONNECTIONS		Inlet	1/4 NPT, 1/4 BSPT		
CERTIFICATIONS		ASME Boiler & Pressure Vessel Code Section VIII Division I CSA B51-03 Boiler, Pressure, Vessel and Pressure Piping Code			





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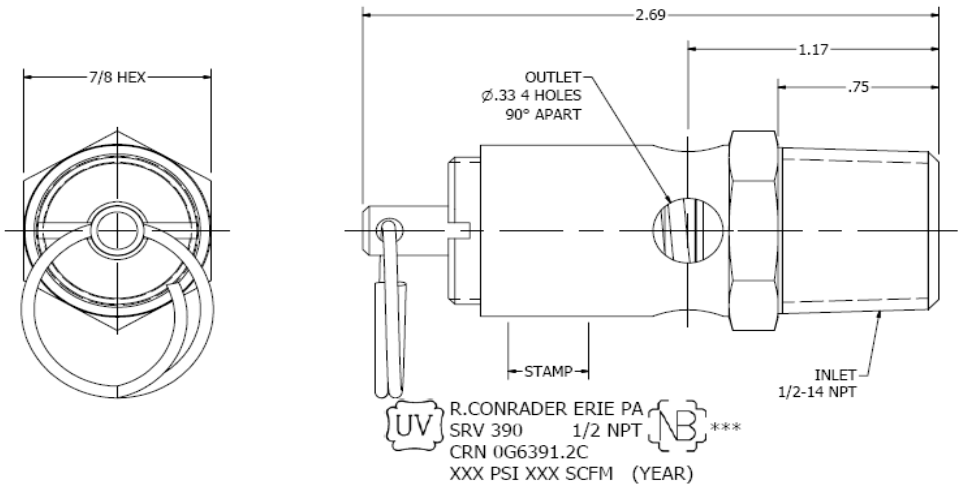
PRODUCT TECHNICAL DATA

SRV390 1/2" Soft Seat Safety Valve

VALVE MODEL #:	**SRV390**	**ISSUE DATE:**	02/24/06	**REVISION #:**	0001
		REVISION DATE	08/01/10	**REVISED BY:**	NRP

SET PRESSURE RANGE	**MINIMUM**	25 PSIG	**MAXIMUM**	300 PSIG
SET PRESSURE TOLERANCE	**MINIMUM**	-3%	**MAXIMUM**	+3%
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 100% Testing or 2.5 AQL Sample Testing, Conforming to API 527			
OPERATING TEMPERATURE	**MINIMUM**	-65F	**MAXIMUM**	400F
FLOW FACTOR (SLOPE METHOD)			**SLOPE**	1.55
MATERIALS OF CONSTRUCTION	Seat Cap & Piston	C360 Brass (ASTM B-16)		
	Spring	17-7 Stainless Steel		
	Seal	Silicone		
PRODUCT WEIGHT			**Lbs.**	0.281
PROCESS CONNECTIONS	Inlet	1/2 NPT, 1/2 BSPT		
CERTIFICATIONS	ASME Boiler & Pressure Vessel Code Section VIII Division I CSA B51-03 Boiler, Pressure, Vessel, and Pressure Piping Code			



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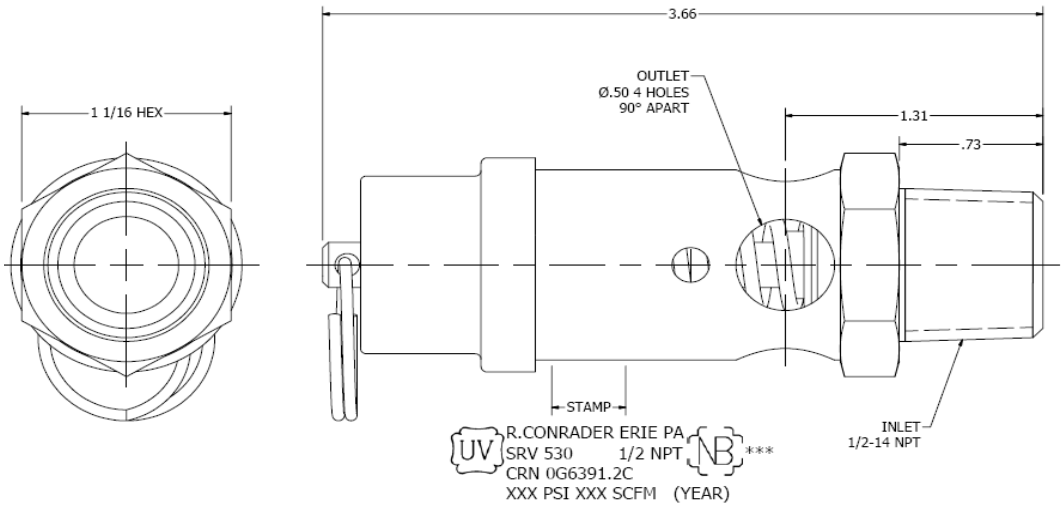
PRODUCT TECHNICAL DATA

SRV530-50 1/2" Soft Seat Safety Valve

VALVE MODEL #:	**SRV530-12**	**ISSUE DATE:**	07/10/08	**REVISION #:**	0000
		REVISION DATE	08/01/10	**REVISED BY:**	NRP

SET PRESSURE RANGE	**MINIMUM**	25 PSIG	**MAXIMUM**	300 PSIG
SET PRESSURE TOLERANCE	**MINIMUM**	-3%	**MAXIMUM**	+3%
SEAT LEAKAGE	Bubble Tight Within 5 psi for Set Pressure 50 psig or Less Bubble Tight Within 10% for Set Pressure Greater Than 50 psig			
OPERATING TEMPERATURE	**MINIMUM**	-65F	**MAXIMUM**	400F
FLOW FACTOR (SLOPE METHOD)			**SLOPE**	3.35
PRODUCT WEIGHT			**Lbs.**	0.608
MATERIALS OF CONSTRUCTION	Seat Cap & Piston	C360 Brass (ASTM B-16)		
	Spring	17-7 Stainless Steel		
	Seal	Silicone		
PROCESS CONNECTIONS	Inlet	1/2 NPT, 1/2 BSPT		
CERTIFICATIONS	ASME Boiler & Pressure Vessel Code Section VIII Division I CSA B51-03 Boiler, Pressure, Vessel, and Pressure Piping Code			



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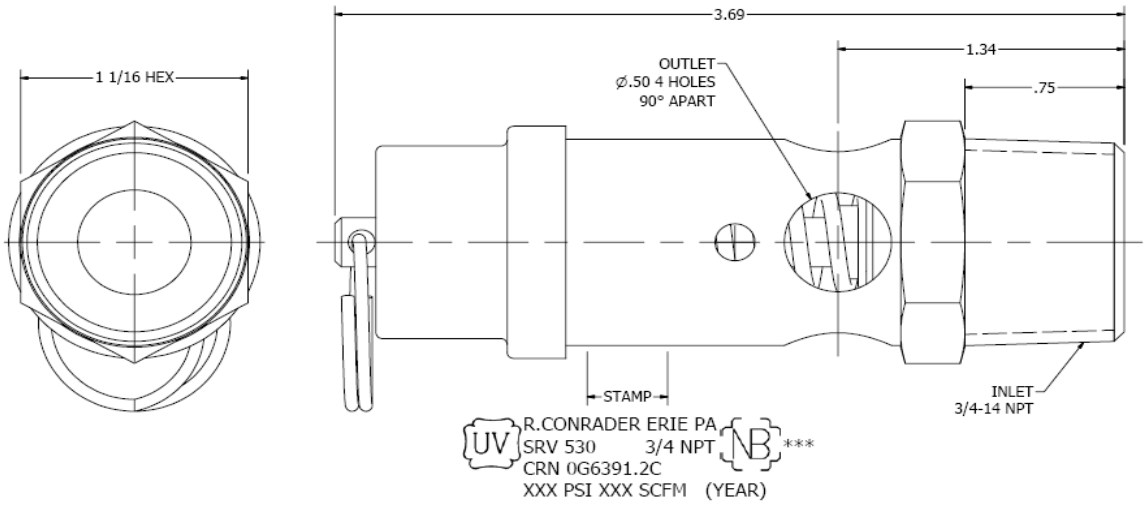
PRODUCT TECHNICAL DATA

SRV530-75 3/4" Soft Seat Safety Valve

VALVE MODEL #:	**SRV530-34**	**ISSUE DATE:**	02/24/06	**REVISION #:**	0001
		REVISION DATE	08/01/10	**REVISED BY:**	NRP

SET PRESSURE RANGE	**MINIMUM**	25 PSIG	**MAXIMUM**	300 PSIG
SET PRESSURE TOLERANCE	**MINIMUM**	-3%	**MAXIMUM**	+3%
SEAT LEAKAGE	Bubble Tight Within 5 psi for Set Pressure 50 psig or Less Bubble Tight Within 10% for Set Pressure Greater Than 50 psig			
OPERATING TEMPERATURE	**MINIMUM**	-65F	**MAXIMUM**	400F
FLOW FACTOR (SLOPE METHOD)			**SLOPE**	3.35
PRODUCT WEIGHT			**Lbs.**	0.608
MATERIALS OF CONSTRUCTION	Seat Cap & Piston	C360 Brass (ASTM B-16)		
	Spring	17-7 Stainless Steel		
	Seal	Silicone		
PROCESS CONNECTIONS	Inlet	3/4 NPT, 3/4 BSPT		
CERTIFICATIONS	ASME Boiler & Pressure Vessel Code Section VIII Division I CSA B51-03 Boiler, Pressure, Vesse, and Pressure Piping Code			



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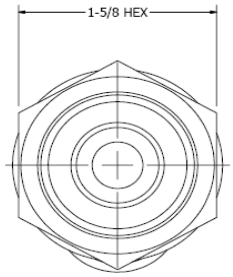
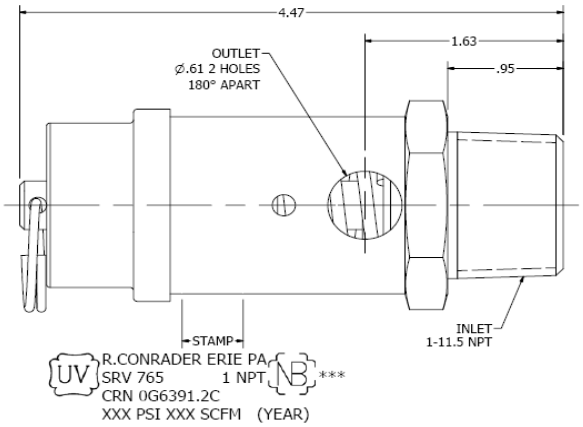
PRODUCT TECHNICAL DATA

SRV765-10 1" Soft Seat Safety Valve					
VALVE MODEL #:	**SRV765**	**ISSUE DATE:**	03/13/07	**REVISION #:**	0000
		REVISION DATE	08/01/10	**REVISED BY:**	NRP
SET PRESSURE RANGE		**MINIMUM**	25 PSIG	**MAXIMUM**	300 PSIG
SET PRESSURE TOLERANCE		**MINIMUM**	-3%	**MAXIMUM**	+3%
SEAT LEAKAGE		Bubble Tight Within 5 psi for Set Pressure 50 psig or Less Bubble Tight Within 10% for Set Pressure Greater Than 50 psig			
OPERATING TEMPERATURE		**MINIMUM**	-65F	**MAXIMUM**	400F
FLOW FACTOR (SLOPE METHOD)				**SLOPE**	3.35
PRODUCT WEIGHT				**Lbs.**	1.412
MATERIALS OF CONSTRUCTION		Seat Cap & Piston	C360 Brass (ASTM B-16)		
		Spring	17-7 Stainless Steel		
		Seal	Silicone		
PROCESS CONNECTIONS		Inlet	1 NPT, 1 BSPT		
CERTIFICATIONS		ASME Boiler & Pressure Vessel Code Section VIII Division I CSA B51-03 Boiler, Pressure, Vessel, and Pressure Piping Code			





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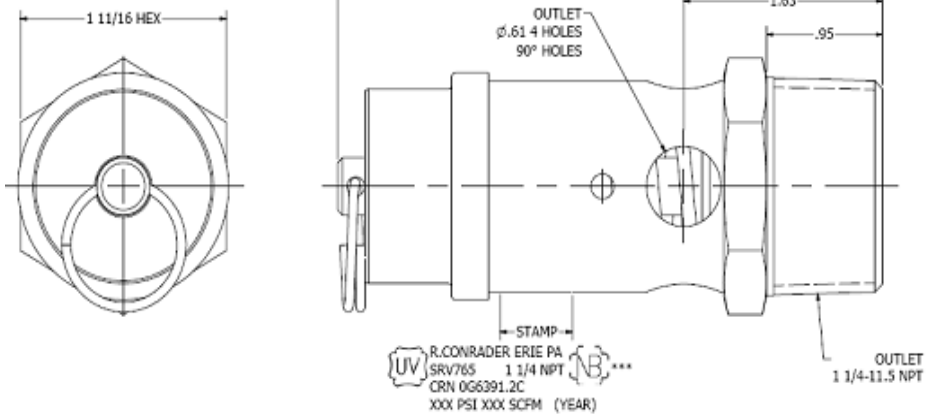
PRODUCT TECHNICAL DATA

SRV765-12 1-1/4" Soft Seat Safety Valve

VALVE MODEL #:	**SRV765-114**	**ISSUE DATE:**	07/10/08	**REVISION #:**	0000
		REVISION DATE	08/01/10	**REVISED BY:**	NRP

SET PRESSURE RANGE	**MINIMUM**	25 PSIG	**MAXIMUM**	300 PSIG
SET PRESSURE TOLERANCE	**MINIMUM**	-3%	**MAXIMUM**	+3%
SEAT LEAKAGE	Bubble Tight Within 5 psi for Set Pressure 50 psig or Less Bubble Tight Within 10% for Set Pressure Greater Than 50 psig			
OPERATING TEMPERATURE	**MINIMUM**	-65F	**MAXIMUM**	400F
FLOW FACTOR (SLOPE METHOD)			**SLOPE**	3.35
PRODUCT WEIGHT			**Lbs.**	1.412
MATERIALS OF CONSTRUCTION	Seat Cap & Piston	C360 Brass (ASTM B-16)		
	Spring	17-7 Stainless Steel		
	Seal	Silicone		
PROCESS CONNECTIONS	Inlet	1 1/4 NPT, 1 1/4 BSPT		
CERTIFICATIONS	ASME Boiler & Pressure Vessel Code Section VIII Division I CSA B51-03 Boiler, Pressure, Vessel, and Pressure Piping Code