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Bronze Safety Relief Valves Type RXSO

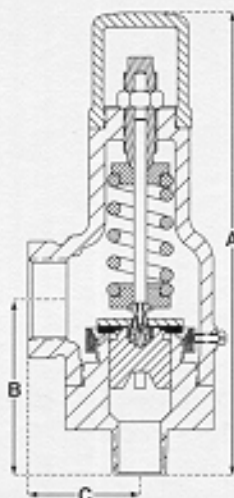
Cryogenic: Teflon® seated; bubble-tight for over 90% of set pressure; not applicable to steam

FEATURES

- Special Teflon® seat, making bubble-tight seals possible for over 90% of set pressures. Per spec API 527.
- Meets A.S.M.E. Boiler and Pressure Vessel Code, Section VIII requirements.
- Meets AD-Merkblatt A2 certified by TÜV.
- Especially recommended for those applications where noxious or expensive liquids or gases place a premium on seal quality.
- *Features continued on other side...*

MATERIALS OF CONSTRUCTION

- Shell: Cast Bronze, A.S.M.E. SB-62
- Base: Forged Brass, Alloy C37700
- Trim: Copper Alloy
- Spring: Stainless Steel 17-7 PH A.S.T.M. A-313, Type 631



Inlet	Outlet	A	B	C	Weight	Max Psi
1/2	3/4	5 1/16	2 7/16	1 1/8	2 lbs.	max 400 psi
1/2	1	6 1/16	2 7/16	1 1/8	3 lbs.	max 400 psi
3/4	3/4	6 7/16	2 7/16	1 1/8	2 lbs.	max 150 psi
3/4	1	6 7/16	2 7/16	1 1/8	3 lbs.	max 400 psi
1	1	7 7/16	2 7/16	1 1/8	4 lbs.	max 150 psi
1	1 1/4	7 7/16	3 1/2	1 3/8	5 lbs.	max 400 psi
1 1/4	1 1/4	8 7/16	3 1/2	2 1/8	6 lbs.	max 150 psi
1 1/4	1 1/2	9 7/16	3 1/2	2 1/8	7 lbs.	max 400 psi
1 1/2	1 1/2	9 7/16	3 1/2	2 1/8	7 lbs.	max 150 psi
1 1/2	2	10 7/16	3 1/2	2 1/8	9 lbs.	max 400 psi
2	2	10 7/16	3 1/2	2 1/8	9 lbs.	max 150 psi
2	2 1/2	10 7/16	4 1/2	2 1/8	10 lbs.	max 400 psi



visit our website at:

www.RockwoodSwendeman.com

Rockwood Swendeman is a trade name of Rockwood Swendeman LLC

Teflon® is a registered trademark of the DuPont Corporation



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FEATURES (continued)

- Works with set pressures to 400 psig, and temperatures from cryogenic to 400° F.
- Our safety relief valves meet the following specifications:
 - CGA S-1.2 and S-1.3. • ASME sec.VIII
 - V-4301 (Cryogenic Non-Oxygen) • API 527
 - V-4401 (Oxygen) • AD-Merkblatt A2
- We clean and package *all* of our RXSO valves for use in oxygen service in compliance with the Compressed Gas Association's specification G-4.1
- Other cleaning specifications we meet include:
 - 4WPI-SW7003
 - ES.660.503
 - GS-38
 - GS-40
- Each valve is set, tested, retested and sealed at the factory to the customer's specifications.
- BSP threads are available on most sizes.

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AIR CAPACITY TABLES

Discharge capacities in cubic feet per minute of air at 10% or 3 PSI, whichever is greater, overpressure.

Inlets Sizes Available	½"	¾"	1"	1½"	2"	
	¾"	1"	1½"	2"	2½"	
Seat Diameter	A	B	C	D	E	
	.75"	1.00"	1.25"	1.50"	2.00"	
Flow Area	0.118	0.204	0.326	0.424	0.628	
Set Pressure	10	26	46	73	94	140
	50	92	159	254	331	490
	100	163	282	451	586	869
	150	234	405	647	842	1247
	200	305	528	843	1092	1626
	250	376	651	1040	1353	2004
	300	447	775	1236	1609	2383
350	523	903	1443	1877	2780	
400	595	1028	1642	2135	3162	
Standard Outlets Sizes	¾"	1"	1½"	2"	2½"	
	1"	1½"	2"	2½"	3"	

Ordering Information - Model Number

Sample: **RXSO - 250 - BB - 4 - ½" A - 6 - T - C - A**

Type
 RXSO
 RXSO-S
 RSL

Set Pressure
 0 to 400 PSIG

Body Material
 BB - Bronze Body
 Brass Base
 SS - Stainless Steel Body
 Stainless Steel Base

Inlet Size (MNPT)
 4 - ½"
 6 - ¾"
 8 - 1"
 10 - 1½"
 12 - 1½"
 16 - 2"

Seat Diameter (INCH)
 A - .750"
 B - 1.000"
 C - 1.250"
 D - 1.500"
 E - 2.000"

Outlet Size (FNPT)
 6 - ¾" 12 - 1½"
 8 - 1" 16 - 2"
 10 - 1¼" 20 - 2½"

Certification
 A - ASME
 T - TUV

Cap Option
 C - Plain Cap
 L - Lift Lever

Seat Material
 T - Teflon

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