

RA8 Series Minimum and Maximum Pressure Ratings – **psig (barg) @ 72°F (22°C)**

Disk Size	With Liner (RA8-L)	Minimum Burst Pressures – psig @ 72°F (barg @ 22°C)								Maximum Burst Pressure		MNFA in ² (cm ²)
		316SS		Inconel		Monel		Nickel		Liquid	Gas	
		Liquid	Gas	Liquid	Gas	Liquid	Gas	Liquid	Gas			
1"	144	200	144	200	144	200	144	200	144	1000	720	0.86
25 mm	(9.93)	(13.79)	(9.93)	(13.79)	(9.93)	(13.79)	(9.93)	(13.79)	(9.93)	(68.97)	(49.66)	(5.5)
1-1/2"	120	167	120	167	120	167	120	167	120	1000	720	2.00
40 mm	(8.28)	(11.52)	(8.28)	(11.52)	(8.28)	(11.52)	(8.28)	(11.52)	(8.28)	(68.97)	(49.66)	(12.90)
2"	100	118	100	118	100	118	100	118	100	850	720	3.36
50 mm	(6.9)	(8.14)	(6.9)	(8.14)	(6.9)	(8.14)	(6.9)	(8.14)	(6.9)	(58.62)	(49.66)	(21.70)
3"	65	68	65	68	65	68	65	68	65	425	285	7.25
80 mm	(4.48)	(4.69)	(4.48)	(4.69)	(4.48)	(4.69)	(4.48)	(4.69)	(4.48)	(29.31)	(19.66)	(46.80)
4"	55	69	55	69	55	69	55	69	55	425	285	12.53
100 mm	(3.79)	(4.76)	(3.79)	(4.76)	(3.79)	(4.76)	(3.79)	(4.76)	(3.79)	(29.31)	(19.66)	(80.80)
6"	45	67	45	67	45	67	45	67	45	350	225	26.59
150 mm	(3.1)	(4.62)	(3.1)	(4.62)	(3.1)	(4.62)	(3.1)	(4.62)	(3.1)	(24.14)	(15.52)	(171.50)
8"	35	54	35	54	35	54	35	54	35	300	180	45.48
200 mm	(2.41)	(3.72)	(2.41)	(3.72)	(2.41)	(3.72)	(2.41)	(3.72)	(2.41)	(20.69)	(12.41)	(293.40)
10"	30	46	30	46	30	46	30	46	30	150	100	70.52
250 mm	(2.07)	(3.17)	(2.07)	(3.17)	(2.07)	(3.17)	(2.07)	(3.17)	(2.07)	(10.34)	(6.9)	(455.00)
12"	26	38	26	38	26	38	26	38	26	110	75	98.33
300 mm	(1.79)	(2.62)	(1.79)	(2.62)	(1.79)	(2.62)	(1.79)	(2.62)	(1.79)	(7.59)	(5.17)	(634.40)
Max. Temp.	500°F (260°C)	900°F (482°C)		900°F (482°C)		900°F (482°C)		750°F (399°C)				

NOTE: For materials, sizes, burst ratings and temperatures not shown, contact ZOOK

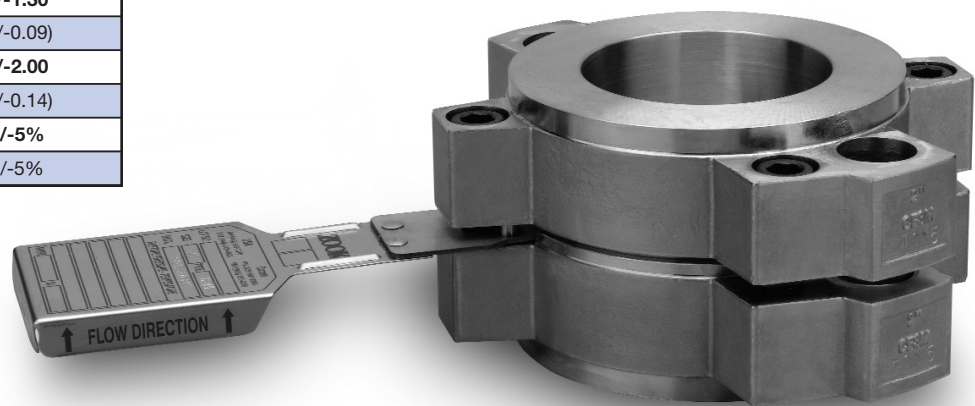
Manufacturing Range / Burst Tolerance
psig (barg) @ 72°F (22°C)

Specified Burst Pressure Rating	Manufacturing Ranges	Burst Tolerance
1 to below 5 (0.07 to below 0.34)	0%, -5%, -10%	+/-0.50 (+/-0.03)
5 to below 10 (0.34 to below 0.69)		+/-0.80 (+/-0.06)
10 to below 15 (0.69 to below 1.03)		+/-1.30 (+/-0.09)
15 to 40 (1.03 to 2.76)		+/-2.00 (+/-0.14)
Above 40 (Above 2.76)		+/-5%
		+/-5%

Notes:

- 0% manufacturing range might not be available in all materials
- Burst tolerances are the maximum expected variation from the disk's marked burst pressure

RA8 Series Disk mounts into RAH Series Disk Holder (refer to ZOOK product bulletin 475100)



Certified Flow Resistance factors

Disk Type	K _{rl} (Liquid)	K _{rg} (Gas)
RA8 Series	1.16	0.78

Monel – TM Huntington Alloys
Inconel – TM International Nickel



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