

Graphite (G2)

Excellent corrosion resistant graphite disc

With excellent corrosion resistance and low pressure capabilities Elfab's graphite rupture disc is a cost effective solution for a wide range of applications.

The resin impregnated graphite rupture discs are precision machined for accurate burst control with an 85% operating to burst pressure ratio. Elfab's graphite discs can be manufactured with a stainless steel or graphite holder.

- Suitable for liquid, gas or vapour
- Operating temperature up to 600°C
- Wide range of sizes and flange ratings



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Burst Pressure Range in barg(psig) at 15-30C(59-86F)			
Nominal Bore		Graphite	
mm	inch	min	max
25	1	0.7(10)	20(290)
40	1.5	0.48(7)	15(217)
50	2	0.28(4.1)	11(159)
65	2.5	0.21(3)	10(145)
80	3	0.21(3)	9(130)
100	4	0.14(2)	6.9(100)
150	6	0.14 (2)	5.2(75)
200	8	0.14 (2)	2.8(41)
250	10	0.14 (2)	2.4(35)
300	12	0.14 (2)	2.1(30)

Performance Tolerance (Zero Manufacturing Design Range)			
Burst Pressure	Tolerance	Burst Pressure	Tolerance
0.14-0.21Barg	+/-0.07Barg	2-3Psig	+/- 1 Psig
>0.21 – 1.7 Barg	+/- 0.18 Barg	>3 – 24.7 Psig	+/- 2.5 Psig
>1.7 Barg	+/- 10%	>24.7 Psig	+/- 10%

Free Flow Area/Minimum Net Flow Area (MNFA)					
Nominal Bore		With Vacuum Dial		Without Vacuum Dial	
mm	inch	mm ²	inch ²	mm ²	inch ²
25	1	270	0.42	507	0.79
40	1.5	665	1.04	1140	1.78
50	2	1347	2.09	2027	3.16
65	2.5	2148	3.35	3167	4.94
80	3	2924	4.56	4560	7.11
100	4	4911	7.65	8107	12.63
150	6	10779	16.8	18241	28.43
200	8	17295	26.95	32429	50.54
250	10	29943	46.66	50671	78.96
300	12	43118	67.19	72966	113.71