

Flat Composite (FC)

Burst Pressure Range in barg (psig) at 15-30C(59-86F)					
Nominal Bore		Nickel Top Section-Fluoropolymer Seal		Stainless Steel/Inconel Top Section-Fluoropolymer Seal	
mm	inch	min	max	min	max
25	1	0.21(3)	1.04(15)	0.42(6)	2.07(30)
40	1.5	0.14(2)	0.7(10)	0.28(4)	1.38(20)
50	2	0.14(2)	0.7(10)	0.28(4)	1.38(20)
65	2.5	0.14(2)	0.7(10)	0.28(4)	1.38(20)
80	3	0.14(2)	0.7(10)	0.28(4)	1.38(20)
100	4	0.14(2)	0.7(10)	0.28(4)	1.38(20)
150	6	0.07(1)	0.35(5)	0.14(2)	0.7(10)
200	8	0.07(1)	0.35(5)	0.14(2)	0.7(10)
250	10	0.07(1)	0.35(5)	0.14(2)	0.7(10)
300	12	0.07(1)	0.35(5)	0.14(2)	0.7(10)
350	14	-	-	0.07(1)	0.6(8.7)
400	16	-	-	0.07(1)	0.5(7.25)
450	18	-	-	0.07(1)	0.5(7.25)
500	20	-	-	0.07(1)	0.5(7.25)
600	24	-	-	0.07(1)	0.5(7.25)
700	28	-	-	0.07(1)	0.5(7.25)
800	32	-	-	0.07(1)	0.5(7.25)

Performance Tolerance (Zero Manufacturing Design Range)			
Burst Pressure	Tolerance	Burst Pressure	Tolerance
≤ 0.24 Barg	+/- 0.026 Barg	≤3.5 Psig	+/- 0.375 Psig
>0.24 - ≤ 0.5	+/- 0.053 Barg	>3.5 - ≤7.25	+/- 0.75 Psig
>0.5	+/- 5%	>7.25	+/- 5%

Free Flow Area / Minimum Net Flow Area (MNFA)					
Nominal Bore		No Vac Support (XXX)		Non-Opening Vac Support (NVS)	
mm	inch	mm ²	inch ²	mm ²	inch ²
25	1	491	0.76	270	0.42
40	1.5	1018	1.58	721	1.12
50	2	1735	2.71	1199	1.87
65	2.5	3117	4.86	1912	2.98
80	3	4657	7.26	3412	5.32
100	4	7088	11.05	4736	7.39
150	6	16513	25.75	9253	14.43
200	8	29865	46.58	17182	26.8
250	10	47144	73.53	28084	43.8
300	12	68349	106.6	-	-
350	14	93482	145.8	-	-
400	16	122542	191.12	-	-
450	18	155528	242.57	-	-
500	20	192442	300.14	-	-
600	24	273397	426.40	-	-
700	28	-	-	-	-
800	32	-	-	-	-