Opti-Gard™ SoLo (OPS)

Gas only applications no vacuum

Burst Pressure Range in barg(psig) at 15-30C (59-86F)					
Nominal Bore		Hastelloy		Stainless Steel	
mm	inch	min	max	min	max
25	1	1.03 (15)	4.14 (60)	0.97 (14)	4.14 (60)
40	1.5	0.76 (11)	2.07 (30)	0.69 (10)	2.07 (30)
50	2	0.41 (6)	1.38 (20)	0.35 (5)	1.38 (20)
65	2.5	0.41 (6)	1.38 (20)	0.35 (5)	1.38 (20)
80	3	0.28 (4)	0.9 (13)	0.21 (3)	0.9 (13)
100	4	0.14 (2)	0.9 (13)	0.14 (2)	0.9 (13)
150	6	0.21 (3)	0.9 (13)	0.21 (3)	0.9 (13)

Gas only applications with vacuum

Burst Pressure Range in barg(psig) at 15-30C (59-86F)					
Nominal Bore		Hastelloy		Stainless Steel	
mm	inch	min	max	min	max
25	1	1.1 (16)	4.14 (60)	1.03 (15)	4.14 (60)
40	1.5	0.83 (12)	2.07 (30)	0.76 (11)	2.07 (30)
50	2	0.48 (7)	1.38 (20)	0.41 (6)	1.38 (20)
65	2.5	0.48 (7)	1.38 (20)	0.41 (6)	1.38 (20)
80	3	0.28 (4)	0.9 (13)	0.21 (3)	0.9 (13)
100	4	0.28 (4)	0.9 (13)	0.21 (3)	0.9 (13)
150	6	0.28 (4)	0.9 (13)	0.21 (3)	0.9 (13)

Liquid and Gas Applications with vacuum

Burst Pressure Range in barg(psig) at 15-30C (59-86F)					
Nominal Bore		Hastelloy		Stainless Steel	
mm	inch	min	max	min	max
25	1	1.31 (19)	4.14 (60)	1.24 (18)	4.14 (60)
40	1.5	1.03 (15)	2.07 (30)	0.97 (14)	2.07 (30)
50	2	0.69 (10)	1.38 (20)	0.62 (9)	1.38 (20)
65	2.5	0.69 (10)	1.38 (20)	0.62 (9)	1.38 (20)
80	3	0.41 (6)	0.9 (13)	0.34 (5)	0.9 (13)
100	4	0.41 (6)	0.9 (13)	0.34 (5)	0.9 (13)
150	6	0.41 (6)	0.9 (13)	0.34 (5)	0.9 (13)

Note: Minimum tolerance on ***Gas*** and ***Liquid*** applications is +/-0.14barg (2psig)

Performance Tolerance (Zero Manufacturing Design Range)			
Burst Pressure	Tolerance	Burst Pressure	Tolerance
≤0.97 barg	+/- 0.07 barg	≤14 psig	+/- 1 psig
> 0.97- ≤4.48barg	+/- 0.14 barg	>14 -≤65 Psig	+/- 2 psig
>4.48 Barg	+/- 3%	>65 psig	+/- 3%

Note: Minimum tolerance on ***Gas*** and ***Liquid*** applications is +/-0.14barg (2psig)

Free Flow Area / Minimum Net Flow Area (MNFA)					
Nominal Bore					
		With Non-Opening Vacuum Support (NVS)		Without Vacuum Support (XXX)	
mm	inch	mm^2	$inch^2$	mm^2	$inch^2$
25	1	383	0.594	596	0.93
40	1.5	905	1.403	1288	2.01
50	2	1493	2.314	2185	3.41
65	2.5	2155	3.36	3207	5
80	3	3598	5.61	5236	8.17
100	4	5110	7.96	8332	12.9
150	6	11187	17.43	17849	27.84