

### Opti-Gard: Min/Max Burst Pressures

Size			316 S.S.	Hast-C 276
1" DN 25	MIN	psig	50	50
		<i>barg</i>	3.5	3.5
	MAX	psig	1015	1015
		<i>barg</i>	70	70
1.5" DN 40	MIN	psig	27	27
		<i>barg</i>	1.9	1.9
	MAX	psig	1015	1015
		<i>barg</i>	70	70
2" DN 50	MIN	psig	14	13
		<i>barg</i>	1	0.9
	MAX	psig	870	870
		<i>barg</i>	60	60
3" DN 80	MIN	psig	7	7
		<i>barg</i>	0.5	0.5
	MAX	psig	725	725
		<i>barg</i>	50	50
4" DN 100	MIN	psig	5	5
		<i>barg</i>	0.35	0.35
	MAX	psig	725	725
		<i>barg</i>	50	50
6" DN 150	MIN	psig	13	13
		<i>barg</i>	0.9	0.9
	MAX	psig	580	580
		<i>barg</i>	40	40
8" DN 200	MIN	psig	13	13
		<i>barg</i>	0.9	0.9
	MAX	psig	435	435
		<i>barg</i>	30	30
10" DN 250	MIN	psig	13	13
		<i>barg</i>	0.9	0.9
	MAX	psig	360	360
		<i>barg</i>	25	25
12" DN 300	MIN	psig	13	13
		<i>barg</i>	0.9	0.9
	MAX	psig	290	290
		<i>barg</i>	20	20
Max Temp		deg. F	1112	1112
		deg. C	600	600



### Opti-Gard Min/Max Burst Pressures

Size			316 Stainless Steel	Hastelloy C-276
14" DN 350	MIN	psig	13	13
		<i>barg</i>	0.9	0.9
	MAX	psig	261	261
		<i>barg</i>	18	18
16" DN 400	MIN	psig	13	13
		<i>barg</i>	0.9	0.9
	MAX	psig	218	218
		<i>barg</i>	15	15
18" DN 450	MIN	psig	13	13
		<i>barg</i>	0.9	0.9
	MAX	psig	145	145
		<i>barg</i>	10	10
20" DN 500	MIN	psig	13	13
		<i>barg</i>	0.9	0.9
	MAX	psig	116	116
		<i>barg</i>	8	8
24" DN 600	MIN	psig	13	13
		<i>barg</i>	0.9	0.9
	MAX	psig	87	87
		<i>barg</i>	6	6
Max Temp		deg. F	1112	1112
		<i>deg. C</i>	600	600

Performance Tolerance (Zero Manufacturing Design Range)	
Burst Pressure	Tolerance
<65 psig	+/- 2.0 psig
>65 psig	+/-3%

<b>Free Flow Area/Minimum Net Flow Area (MNFA)</b>					
Nominal Bore		Burst Pressure at or Below 145 psig (10 barg)		Burst Pressure Above 145 psig (10 barg)	
inch	mm	inch <sup>2</sup>	mm <sup>2</sup>	inch <sup>2</sup>	mm <sup>2</sup>
1	25	0.78	500	0.79	511
1.5	40	1.69	1092	1.71	1102
2	50	2.84	1834	2.9	1870
2.5	65	4.19	2701	4.21	2719
3	80	6.81	4393	7.03	4535
4	100	10.96	7072	11.17	7208
6	150	23.38	15085	24.18	15601
8	200	44.18	28506	45.46	29327
10	250	65.05	41969	67.64	43641
12	300	94.86	61203	99.29	64055
14	350	129.7	83684	135.8	87627
16	400	170	109665	178	114832
18	450	216.3	139529	N/A	N/A
20	500	268.1	172988	N/A	N/A
24	600	386.1	249156	N/A	N/A