

PCR Minimum & Maximum Burst Pressure @ 72° F (psig) / 22° C (barg)

Size			316 S.S.	Nickel	Inconel	Monel
1"	MIN	psig	200	100	140	150
		barg	13.8	6.9	9.7	10.3
DN 25	MAX	psig	1250	1250	1250	1250
		barg	86.2	86.2	86.2	86.2
1.5"	MIN	psig	185	85	95	90
		barg	12.8	5.9	6.5	6.2
DN 40	MAX	psig	1000	1000	1000	1000
		barg	68.9	68.9	68.9	68.9
2"	MIN	psig	170	65	80	75
		barg	11.7	4.5	5.5	5.2
	MAX	psig	1000	1000	1000	1000
		barg	68.9	68.9	68.9	68.9
3"	MIN	psig	155	55	70	65
		barg	10.7	3.8	4.8	4.5
	MAX	psig	1000	1000	1000	1000
		barg	68.9	68.9	68.9	68.9
4"	MIN	psig	135	45	60	55
		barg	9.3	3.1	4.1	3.8
	MAX	psig	800	800	800	800
		barg	55.2	55.2	55.2	55.2
6"	MIN	psig	95	35	50	45
		barg	6.5	2.4	3.4	3.1
	MAX	psig	800	800	800	800
		barg	55.2	55.2	55.2	55.2
8"	MIN	psig	--	35	45	40
		barg	--	2.4	3.1	2.8
	MAX	psig	--	700	700	700
		barg	--	48.3	48.3	48.3
10"	MIN	psig	CONSULT FACTORY			
		barg				
MAX	psig					
	barg					
12"	MIN	psig	CONSULT FACTORY			
		barg				
MAX	psig					
	barg					
Max Temp		deg. F	900	750	900	800
		deg. C	482.2	398.9	482.2	426.7

Maximum Temperature for all Teflon Lined disks - - 500 Degree F.

Burst Tolerance

±5% above 40 psig	±2 psig at and below 40 psig
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Free Flow Area/Minimum Net Flow Area (MNFA)

Disk Size In.	Net Flow Area Sq. In.
0.75	0.39
1	0.6
1.5	1.3
2	2.5
3	4.8
4	8
6	18
8	32
10	51.25