Oseco Inc 1701 W. Tacoma Broken Arrow Oklahoma 74012 USA
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FAS: Min/Max Burst Pressure @ 72˚F (psig)/22˚C (barg)

Size	Materials		316 SS	Nickel	Inconel	Monel	Hast. C-276
1.0" DN 25	Minimum	psig	110	70	100	75	135
		barg	*7.6*	*4.8*	*6.9*	*5.2*	*9.3*
	Maximum	psig	4100	3500	4000	3750	5000
		barg	*282.7*	*241.3*	*275.8*	*258.5*	*344.7*
	To withstand full vacuum	psig	220	140	200	140	270
		barg	*15.2*	*9.7*	*13.8*	*9.7*	*18.6*
	Ring recommended if below	psig	475	350	400	350	550
		barg	32.7	24.1	27.6	24.1	37.9
1.5" DN 40	Minimum	psig	80	50	80	60	125
		barg	*5.5*	*3.4*	*5.5*	*4.1*	*8.6*
	Maximum	psig	4000	2900	3900	3500	4500
		barg	*275.8*	*199.9*	*268.9*	*241.3*	*310.3*
	To withstand full vacuum	psig	160	100	170	120	250
		barg	*11*	*6.9*	*11.7*	*8.3*	*17.2*
	Ring recommended if below	psig	350	250	300	275	400
		barg	*24.1*	*17.2*	*20.7*	*19*	*27.6*
2.0" DN 50	Minimum	psig	60	40	65	50	100
		barg	*4.1*	*2.8*	*4.5*	*3.4*	*6.9*
	Maximum	psig	3000	2000	2500	2300	3500
		barg	*206.8*	*137.9*	*172.4*	*158.6*	*241.3*
	To withstand full vacuum	psig	120	80	130	100	200
		barg	*8.3*	*5.5*	*9*	*6.9*	*13.8*
	Ring recommended if below	psig	270	180	225	200	300
		barg	*18.6*	*12.4*	*15.5*	*13.8*	*20.7*
3.0" DN 80	Minimum	psig	55	30	50	40	80
		barg	*3.8*	*2.1*	*3.4*	*2.8*	*5.5*
	Maximum	psig	2000	1600	2100	1800	2000
		barg	*137.9*	*110.3*	*144.8*	*124.1*	*137.9*
	To withstand full vacuum	psig	110	60	100	80	160
		barg	*7.6*	*4.1*	*6.9*	*5.5*	*11*
	Ring recommended if below	psig	200	145	225	175	250
		barg	*13.8*	*10*	*15.5*	*12.1*	*17.2*
4.0" DN 100	Minimum	psig	50	40	50	45	70
		barg	*3.4*	*2.8*	*3.4*	*3.1*	*4.8*
	Maximum	psig	2000	1400	1800	1600	2000
		barg	*137.9*	*96.5*	*124.1*	*110.3*	*137.9*
	To withstand full vacuum	psig	110	80	100	90	140
		barg	7.6	5.5	6.9	6.2	9.7
	Ring recommended if below	psig	200	125	175	150	250
		barg	*13.8*	*8.6*	*12.1*	*10.3*	*17.2*
6.0" DN 150	Minimum	psig	50	40	55	50	80
		barg	*3.4*	*2.8*	*3.8*	*3.4*	*5.5*
	Maximum	psig	1800	1200	1600	1400	2000
		barg	*124.1*	*82.7*	*110.3*	*96.5*	*137.9*
	To withstand full vacuum	psig	100	80	110	100	160
		barg	*6.9*	*5.5*	*7.6*	*6.9*	*11*
	Ring recommended if below	psig	125	125	125	125	175
		barg	*8.6*	*8.6*	*8.6*	*8.6*	*12.1*

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oseco pressure intelligence

Size	Materials		316 SS	Nickel	Inconel	Monel	Hast. C-276
8.0" DN 200	Minimum	psig	55	40	60	50	85
		barg	*3.8*	*2.8*	*4.1*	*3.4*	*5.9*
	Maximum	psig	1800	1100	1300	1200	1600
		barg	*124.1*	*75.8*	*89.6*	*82.7*	*110.3*
	To withstand full vacuum	psig	110	80	120	100	170
		barg	*7.6*	*5.5*	*8.3*	*6.9*	*11.7*
	Ring recommended if below	psig	125	125	125	125	175
		barg	*8.6*	*8.6*	*8.6*	*8.6*	*12.1*
10.0" DN 250	Minimum	psig	65	40	65	55	100
		barg	*4.5*	*2.8*	*4.5*	*3.8*	*6.9*
	Maximum	psig	1500	1000	1200	1100	1500
		barg	*103.4*	*68.9*	*82.7*	*75.8*	*103.4*
	To withstand full vacuum	psig	130	80	130	110	200
		barg	*9*	*5.5*	*9*	*7.6*	*13.8*
	Ring recommended if below	psig	125	125	125	125	175
		barg	*8.6*	*8.6*	*8.6*	*8.6*	*12.1*
12.0" DN 300	Minimum	psig	75	40	75	60	110
		barg	*5.2*	*2.8*	*5.2*	*4.1*	*7.6*
	Maximum	psig	1300	1000	1100	1000	1300
		barg	*89.6*	*68.9*	*75.8*	*68.9*	*89.6*
	To withstand full vacuum	psig	150	80	150	120	220
		barg	*10.3*	*5.5*	*10.3*	*8.3*	*15.2*
	Ring recommended if below	psig	125	125	125	125	175
		barg	*8.6*	*8.6*	*8.6*	*8.6*	*12.1*
14.0" DN 350	Minimum	psig	85	45	80	65	115
		barg	*5.9*	*3.1*	*5.5*	*4.5*	*7.9*
	Maximum	psig	1000	800	900	800	1000
		barg	*68.9*	*55.2*	*62.1*	*55.2*	*68.9*
	To withstand full vacuum	psig	170	90	160	130	230
		barg	*11.7*	*6.2*	*11*	*9*	*15.9*
	Ring recommended if below	psig	--	--	--	--	--
		barg	--	--	--	--	--
16.0" DN 400	Minimum	psig	90	50	85	70	120
		barg	*6.2*	*3.4*	*5.9*	*4.8*	*8.3*
	Maximum	psig	900	700	800	700	900
		barg	*62.1*	*48.3*	*55.2*	*48.3*	*62.1*
	To withstand full vacuum	psig	180	100	170	140	240
		barg	*12.4*	*6.9*	*11.7*	*9.7*	*16.5*
	Ring recommended if below	psig	--	--	--	--	--
		barg	--	--	--	--	--
18.0" DN 450	Minimum	psig	95	50	85	70	125
		barg	*6.5*	*3.4*	*5.9*	*4.8*	*8.6*
	Maximum	psig	800	600	700	600	800
		barg	*55.2*	*41.4*	*48.3*	*41.4*	*55.2*
	To withstand full vacuum	psig	190	100	170	140	250
		barg	13.1	6.9	11.7	9.7	17.2
	Ring recommended if below	psig	--	--	--	--	--
		barg	--	--	--	--	--
MAX TEMP	° F		900	750	900	800	900
	° *C*		*482.2*	*398.9*	*482.2*	*426.7*	*482.2*

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Burst Tolerance

±5% > 40 psig	±2 psig ≤ 40 psig

Free Flow Area/Minimum Net Flow Area (MNFA)

Disk Size In.	Net Flow Area Sq. In.
1	0.864
1.5	2.036
2	3.355
3	7.393
4	12.73
6	28.89
8	50
10	78.9
12	113.1
14	137.9
16	176.7
18	233.7
24	405.9