

# BURST PRESSURES FOR COMPOSITE RUPTURE DISCS

Rupture Disc Nominal Size	Minimum Pressure for Preformed Composite Rupture Discs with a Fluoropolymer Seal (psig/barg)							
	LD		LDV		LPL		LPVL	
	TFE	FEP, PFA	TFE	FEP, PFA	TFE	FEP, PFA	TFE	FEP, PFA
1 in 25 mm	25 1,73	30 2,07	30 2,07	35 2,42	35 2,42	40 2,76	60 4,14	80 5,52
1 ½ in 40 mm	22 1,52	27 1,87	25 1,73	34 2,35	32 2,21	38 2,63	60 4,14	75 5,18
2 in 50 mm	7 0,483	15 1,04	10 0,690	18 1,25	15 1,04	20 1,38	28 1,94	35 2,42
3 in 80 mm	6 0,414	8 0,552	8 0,552	11 0,759	11 0,759	16 1,11	18 1,25	25 1,73
4 in 100 mm	5 0,345	7 0,483	7 0,483	8 0,552	6 0,414	9 0,621	15 1,04	18 1,25
6 in 150 mm	3 0,207	4 0,276	5 0,345	7 0,483	5 0,345	7 0,483	12 0,828	14 0,966
8 in 200 mm	2 0,138	3 0,207	5 0,345	5 0,345	4 0,276	5 0,345	11 0,759	11 0,759
10 in 250 mm	-	3 0,207	-	5 0,345	-	5 0,345	-	8 0,552
12 in 300 mm	-	2 0,138	-	4 0,276	-	5 0,345	-	8 0,552

Rupture Disc Nominal Size	Maximum Pressure for Preformed Composite Rupture Discs with:		Minimum Pressure for Preformed Composite Rupture Discs with Metallic Seal For LD, LDV Type Discs					
	Fluoropolymer Seal	Metallic Seal	Aluminum	MONEL®	Nickel	INCONEL®	316 SS	HASTELLOY® C
1 in 25 mm	500 34,5	1,440 99,3	38 2,63	190 13,1	230 15,9	292 20,2	442 30,5	1,163 80,2
1 ½ in 40 mm	500 34,5	1,440 99,3	29 2,00	130 8,97	150 10,4	208 14,4	228 15,8	775 53,4
2 in 50 mm	290 20,0	1,100 75,8	17 1,18	78 5,38	90 6,21	124 8,55	208 14,4	465 32,1
3 in 80 mm	160 11,0	900 62,0	13 0,897	59 4,07	65 4,49	98 6,76	130 8,97	326 22,5
4 in 100 mm	160 11,0	720 49,6	9 0,621	46 3,18	52 3,59	72 4,97	98 6,76	255 17,6
6 in 150 mm	130 8,97	640 44,1	7 0,483	33 2,28	39 2,69	56 3,87	65 4,49	191 13,2
8 in 200 mm	110 7,59	590 40,6	5 0,345	26 1,80	30 2,07	39 2,69	52 3,59	145 10,0
10 in 250 mm	90 6,21	480 33,0	5 0,345	21 1,45	22 1,52	33 2,28	46 3,18	113 7,79
12 in 300 mm	80 5,52	400 27,5	4 0,276	17 1,18	20 1,38	29 2,00	39 2,69	97 6,69

Pressures stated are based upon the minimum and maximum of the manufacturing range at 72°F (22°C). For information concerning conditions or size not shown, consult the factory.