DATA SHEET

PRESSURE ACTIVATION DEVICE (PAD-IBP)

PAD-IBP

DESCRIPTION

The PAD-IBP: A8658 allows for burst pressures up to 14,500 PSIG. PAD-IBP are designed for activation from within the tubing or drill string. PAD IBP standard model are constructed by electron beam welding an Inconel® 600 rupture disc to a 316 SST body and support ring. This provides a one-piece rupture disc assembly for improved reliability, accuracy, and ruggedness. To provide the highest reliability and traceability, each unit is pressure tested prior to shipping and labeled with burst pressure, part number, and lot number.

TYPICAL USE

The PAD-IBP can be used in any application where high accuracy pressure activation is required:

- Downhole completion
- Perforating
- Cementing
- Drill stem testing
- Gravel Pack
- Stimulation
- Drilling
- Other special applications

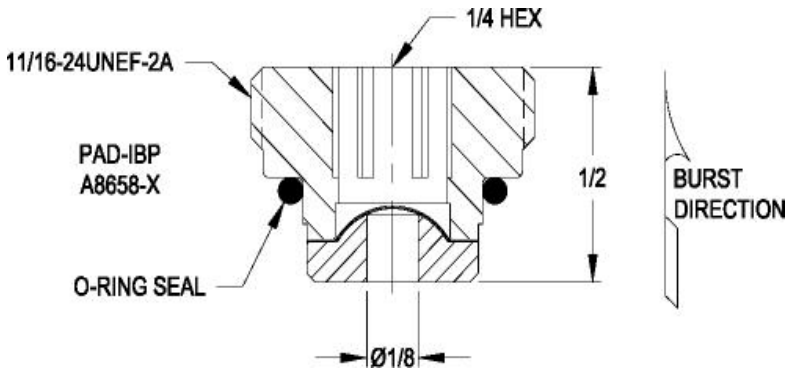
SPECIFICATIONS

Material of Construction	Body - 316 SST, Rupture Disc - Inconel® 600
Maximum Operating Ratio	90% of burst pressure
Maximum Back Pressure	70% of burst pressure
Standard Burst Pressure Range	1,000-14,500 PSIG in 500 PSIG increments
Burst Tolerance	±5%
Threads	11/16” - 24UNEF-2A
Maximum Temperature	Up to 450°F (232°C)

Note: Other sizes, pressures, tolerances, and materials, including Inconel 625, are available upon request.

FEATURES AND BENEFITS

- Rapid Response Program
- Certified burst pressures with tight tolerance to ensure high accuracy and reliability
- Corrosion resistant materials
- Compact one-piece design
- High operating ratio
- Allows trouble free operation in corrosive environments
- Eliminates shear pin devices
- Easy installation and removal
- Positive sealing capability



BURST PRESSURE @ COINCIDENT TEMPERATURE P/N A8658-X									
Fike P/N	Specified BP Range @ Temp (PSIG)	Burst Pressure @ Temperature (PSIG)							
		100°F (38°C)	150°F (66°C)	200°F (93°C)	250°F (121°C)	300°F (149°C)	350°F (177°C)	400°F (204°C)	450°F (232°C)
A8658-1	**950 - 1050 @ 100°F**	**1000**	973	951	931	916	904	896	892
A8658-2	**1425 - 1575 @ 100°F**	**1500**	1459	1426	1397	1374	1356	1344	1338
A8658-3	**1900 - 2100 @ 100°F**	**2000**	1946	1901	1862	1832	1808	1792	1784
A8658-4	**2375 - 2625 @ 100°F**	**2500**	2432	2376	2328	2289	2260	2240	2230
A8658-5	**2850 - 3150 @ 100°F**	**3000**	2918	2852	2793	2747	2712	2688	2676
A8658-6	**3325 - 3675 @ 100°F**	**3500**	3405	3327	3259	3205	3165	3136	3122
A8658-7	**3800 - 4200 @ 100°F**	**4000**	3891	3802	3724	3663	3617	3584	3568
A8658-8	**4275 - 4725 @ 100°F**	**4500**	4377	4278	4190	4121	4069	4032	4014
A8658-9	**4750 - 5250 @ 150°F**	5139	**5000**	4888	4789	4704	4647	4608	4587
A8658-10	**5225 - 5775 @ 150°F**	5653	**5500**	5376	5268	5174	5112	5069	5046
A8658-11	**5700 - 6300 @ 150°F**	6167	**6000**	5865	5747	5644	5576	5530	5505
A8658-12	**6175 - 6825 @ 150°F**	6680	**6500**	6354	6226	6115	6041	5991	5963
A8658-13	**6650 - 7350 @ 200°F**	7361	7165	**7000**	6856	6737	6660	6598	6573
A8658-14	**7125 - 7875 @ 200°F**	7886	7677	**7500**	7346	7218	7136	7069	7042
A8658-15	**7600 - 8400 @ 200°F**	8412	8188	**8000**	7835	7700	7612	7540	7512
A8658-16	**8075 - 8925 @ 200°F**	8938	8700	**8500**	8325	8181	8088	8011	7981
A8658-17	**8850 - 9450 @ 200°F**	9464	9212	**9000**	8815	8662	8563	8483	8451
A8658-18	**9025 - 9975 @ 250°F**	10193	9916	9694	**9500**	9332	9223	9143	9100
A8658-19	**9500 - 10500 @ 250°F**	10730	10438	10204	**10000**	9823	9709	9625	9579
A8658-20	**9975 - 11025 @ 250°F**	11266	10960	10714	**10500**	10314	10194	10106	10057
A8658-21	**10450 - 11550 @ 250°F**	11803	11482	11224	**11000**	10806	10680	10587	10536
A8658-22	**10925 - 12075 @ 250°F**	12339	12004	11735	**11500**	11297	11165	11068	11015
A8658-23	**11400 - 12600 @ 300°F**	13115	12752	12461	12208	**12000**	11858	11753	11696
A8658-24	**11875 to 13125 @ 350°F**	13827	13441	13144	12873	12652	**12500**	12389	12327
A8658-25	**12350 to 13650 @ 350°F**	14381	13978	13670	13388	13158	**13000**	12884	12821
A8658-26	**12825 to 14175@ 350°F**	14934	14516	14196	13903	13664	**13500**	13380	13314
A8658-27	**13300 to 14700 @ 350°F**	15487	15054	14721	14418	14170	**14000**	13875	13807
A8658-28	**13775 to 15225 @ 350°F**	16040	15591	15247	14933	14676	**14500**	14371	14300

Note: Bold type indicates specified burst pressure; regular type indicates nominal burst pressure estimates for other temperatures