

PRESSURE ACTIVATION DEVICE (PAD-MH)

DESCRIPTION

The PAD-MH comes in two standard models: A8938 and A8941 allowing for burst pressure up to 9,000 PSIG. PAD-MH provides pressure activation from within the tubing or drill string. PAD-MH standard models are constructed by electron beam welding an Inconel® rupture disc to a 316 SST body. 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.



PAD-MH

FIKE SERVICES

Fike's oilfield expertise creates the right pressure relief or pressure actuation solution for your specific application:

- Engineers and application specialists can assist in product application or customer products, from high back pressure conditions to special envelopes
- Qualification testing of components under simulated application conditions

TYPICAL USE

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

- Drilling
- Stimulation
- Motorhead Assembly
- Circulation Subs
- Fishing Tools
- Expansion Packer Retrieval
- Other special applications

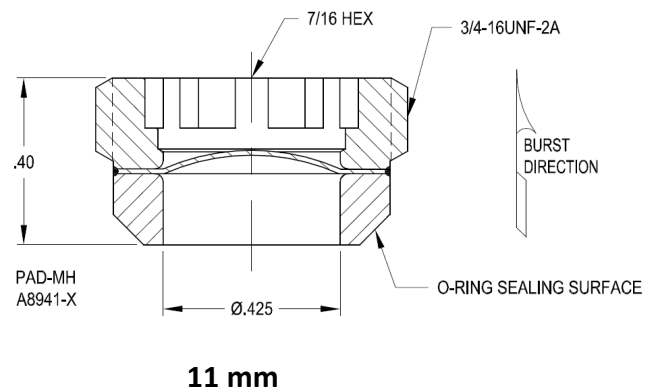
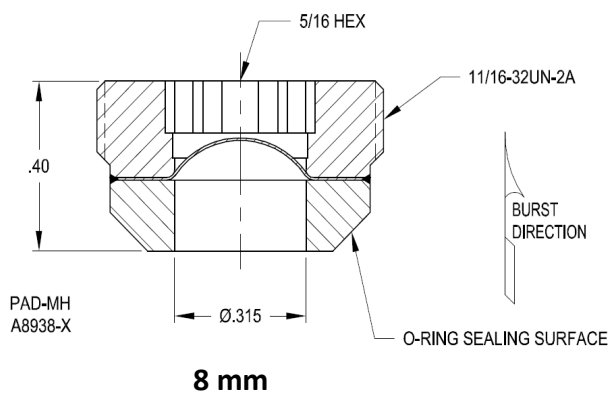


FEATURES AND BENEFITS

- 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

SPECIFICATIONS

Material of Construction	Body - 316 SST, Rupture Disc - Inconel® 600
Maximum Operating Ratio	90% of burst pressure
Maximum Back Pressure	Minimal - Consult Factory
Standard Burst Pressure Range	1,000-9,000 PSIG in 500 PSIG increments
Burst Tolerance	±5% for pressures up to 2,000 PSIG ±100 PSIG for pressures 2,000 PSIG - 4,500 PSIG ±2% for pressures 5,000 PSIG and greater
Threads	8 mm disc: 11/16" - 32UN-2A thread 11 mm disc: 3/4" - 16UNF-2A thread
Maximum Temperature	Up to 450°F (232°C)
O-ring Seal	Size and material customer specified, provided by others





BURST PRESSURE @ TEMPERATURE (PSIG) P/N A8938-X A8941-X											
8 mm Fike P/N	11 mm Fike P/N	Burst Pressure Rating at Temp (PSIG)	72°F (22°C)	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)
-	A8941-14	950-1050 @ 72°F	1000	993	966	944	925	909	898	890	886
-	A8941-17	1425-1575 @ 72°F	1500	1490	1449	1416	1388	1364	1347	1335	1329
A8938-1	A8941-1	1900-2100 @ 72°F	2000	1986	1932	1889	1850	1818	1795	1779	1771
A8938-2	A8941-2	2400-2600 @ 72°F	2500	2483	2415	2361	2313	2273	2244	2224	2214
A8938-3	A8941-3	2900-3100 @ 72°F	3000	2979	2899	2833	2775	2727	2693	2669	2657
A8938-4	A8941-4	3400-3600 @ 72°F	3500	3476	3382	3305	3238	3182	3142	3114	3100
A8938-5	A8941-5	3900-4100 @ 72°F	4000	3972	3865	3777	3700	3636	3591	3559	3543
A8938-6	A8941-6	4400-4600 @ 72°F	4500	4469	4348	4249	4163	4091	4040	4004	3986
A8938-7	A8941-7	4900-5100 @ 72°F	5000	4965	4831	4721	4625	4545	4488	4448	4429
A8938-8	A8941-8	5390-5610 @ 72°F	5500	5462	5314	5194	5088	5000	4937	4893	4872
A8938-9	A8941-9	5880-6120 @ 72°F	6000	5958	5797	5666	5550	5455	5386	5338	5314
A8938-10	A8941-10	6370-6630 @ 72°F	6500	6455	6280	6138	6013	5909	5835	5783	5757
A8938-11	A8941-11	6860-7140 @ 72°F	7000	6951	6763	6610	6475	6364	6284	6228	6200
A8938-12	A8941-12	7350-7650 @ 72°F	7500	7448	7246	7082	6938	6818	6733	6673	6643
A8938-13	A8941-13	7840-8160 @ 72°F	8000	7944	7729	7554	7401	7273	7181	7117	7086
A8938-14	A8941-15	8330-8670 @ 72°F	8500	8441	8213	8026	7863	7727	7630	7562	7529
A8938-15	A8941-16	8820-9180 @ 72°F	9000	8937	8696	8499	8326	8182	8079	8007	7972

Note: Bold type indicates certified burst pressure, light type indicates nominal converted burst pressures.