

Rupture discs are safety devices that protect equipment from overpressure or vacuum. Due to monolithic structure they have superior advantages compared with other safety devices including Reliability, Cost, Size, Time response and Maintenance.

Here in KARAJET® we are using a proficient team which design and manufacture the different types of Rupture Discs based on customer needs in various size (1" - 24") and materials as well as wide range of burst pressure (0.1 to 300 barg) and temperature. With all consideration of Reliability and Durability as well as Non-fragmentation and Closed-tolerance in burst pressure are the fundamental features of our products.

Standard and Certification

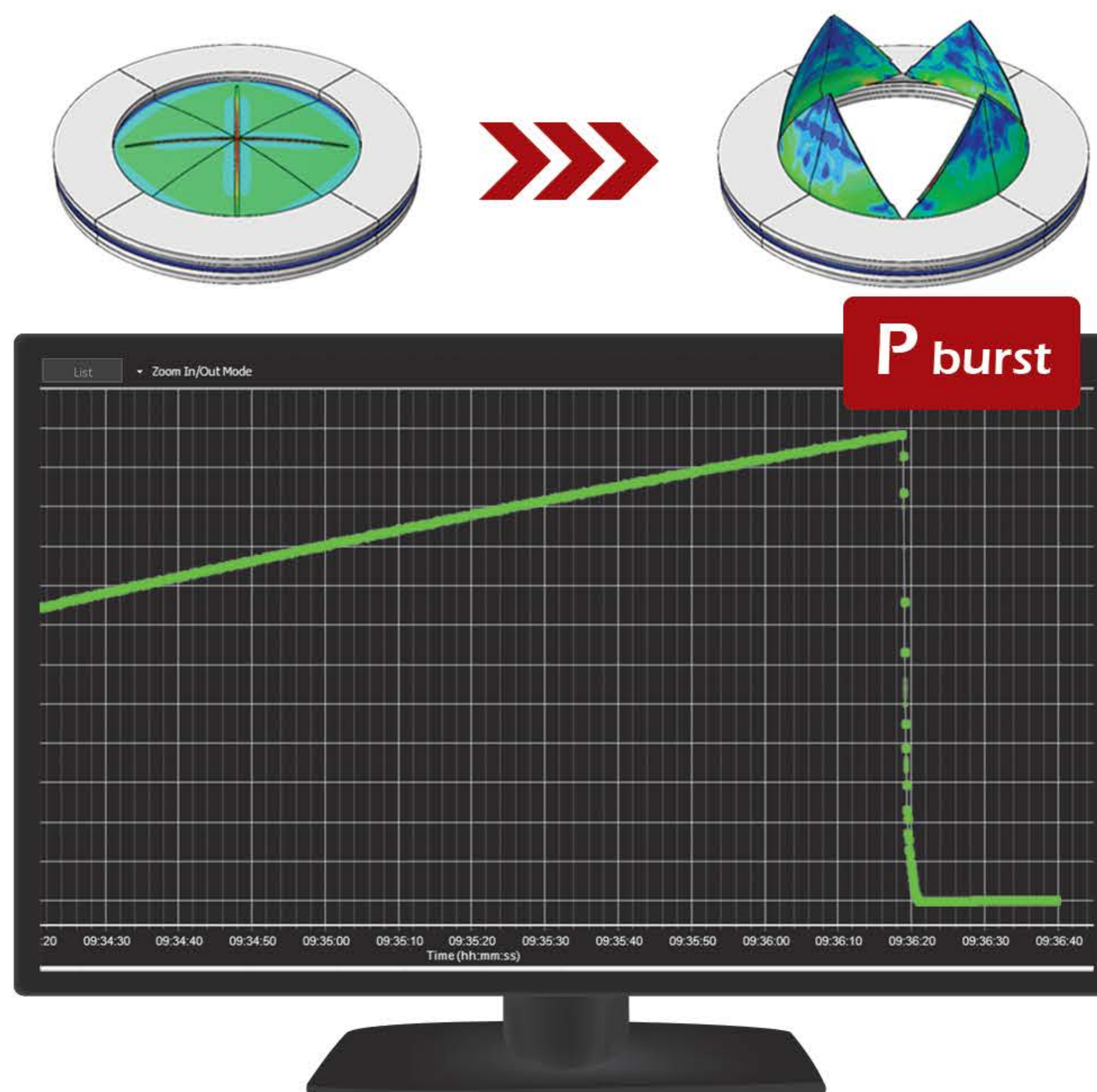
- ISO 4126-2/6, API 520, EN 1127-1/-13463/-14373/-14491 / -14797/-14994/-15233/-16009/-16447, VDI 3673, NFPA 68/69, IEC 61508,
- EN ISO 9001, ISO/TS 29001, ISO 14001, KTA 1401

Design and Manufacturing

- Finite element simulation
- Precision hydroforming
- Scoring by laser technology
- Simultaneous quality control

Flow Test Laboratory

- Gas/Liquid test setup
- Digital monitoring
- Automatic remote control
- EN ISO 4126-6



Model	Type				Score		Burst Pre. Barg / psi		Burst Temp. °C / °F		Max. OR ¹	MDN ²	Material
	forward	flat	reverse	composite	circle	cross	min	max	min	max	ASME		
FC	✓				✓		1/14	240/3480	0/32	300/572	70-75%	5-10%	STD ³
FX	✓					✓	2/28	300/4351			50-55%		
FLC		✓			✓		5/72	250/3626			80-90%		
FLX		✓				✓	7/102	270/3916				0-5%	
RC			✓		✓		2/28	200/2900					
RX			✓			✓	3/44	230/3336	0/32	230/446	75-80%	5-10%	STD / Liner ⁴ / STD
FCC	✓			✓	✓		0.3/4.3	50/725			55-60%		
FCX	✓			✓		✓	0.4/5.8	55/798				0-5%	
FLCC		✓		✓	✓		0.15/2.2	45/653					
FLCX		✓		✓		✓	0.2/2.9	50/725					
RCC			✓	✓	✓		0.6/8.7	57/827	0/32	300/572	80-90%	0-5%	STD
RCX			✓	✓		✓	0.8/11.6	51/740					
RCU1			✓				2/29	50/725					
RCU2			✓				2/29	50/725					

1. Operating Ratio=Operating Pressure/Burst Pressure

2. Manufacturing Design Range

3. Standard materials: SS 316/316L, Aluminum, Nickel 200, Inconel 600/625, Monel 400, Hastelloy C-276/C-22, tantalum, titanium

4. PTFE, FEP, Aluminum, Silver, Nickel, Monel, SS316, Inconel

M. O. P.

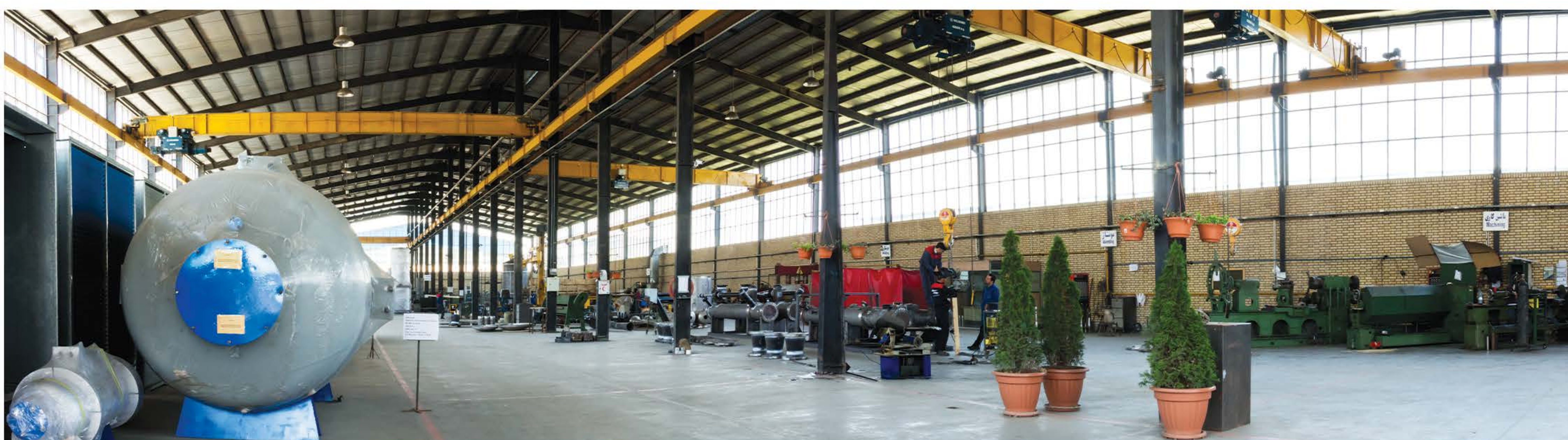
Internal Manufacturer APPROVED VENDOR LIST





Test Labretory

KARAJET® flow test laboratory is adaptable to run a wide range of flow tests. With the addition of a Liquid Flow Loop, the flow test laboratory runs a full range of flow tests with both air and liquid. Our test setups coupled with pressure/temperature instrumentation and custom written software, creates a measurement system that conforms to the strict testing requirements of the ASME Performance Test Code, PTC-25.



Rupture Disc Holder

Except for a few Rupture Disc models, the rest must be used by the holder. The holder provides the following benefits:

- Placing the disc in the correct direction
- Increasing the accuracy of burst pressure
- Perfect sealing of rupture disc
- Helping to fully open the ruptured disc

Accessories

- Excess Flow Valve
- Burst Indicator
- Support Ring
- J-Hook
- Gauge Tap
- Jackscrews

