

ZOOK®



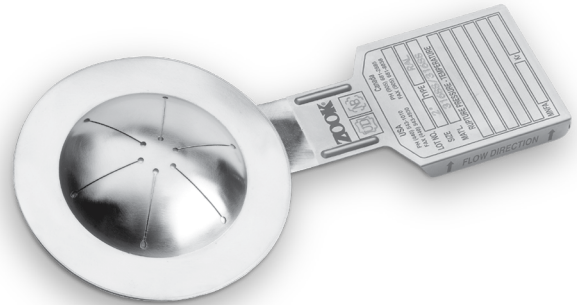
POWER

Pressure Relief Solutions for the Power Supply Sector



Safety through knowledge and performance.

OVER PRESSURE SOLUTIONS FOR A WIDE SPECTRUM OF POWER TRANSMISSION AND DISTRIBUTION APPLICATIONS.



ZOOK is a recognized global leader in the manufacturing of metal and graphite rupture disk solutions for the power supply sector.



ZOOK offers specific customized solutions for the power industry:

Gas Insulated (SF6) and Oil Impregnated Paper Insulated Switchgear

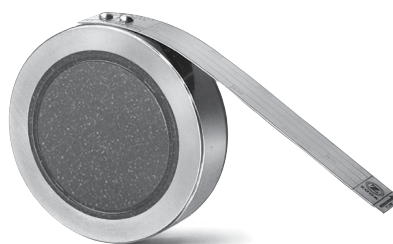


Switchgear manufacturers utilize rupture disks to alleviate pressure build-up in switchgear or arcing housing from either heat or radiation. Overpressure can also be found in conductors and cabinets. ZOOK manufactures both graphite and metal rupture disks for custom solutions in the switchgear market capable of meeting the

very stringent quality and leak rate requirements for these applications.

Lithium Batteries

Low pressure rupture disks, such as reverse acting RA4 metal disks and custom graphite disks can be used for pressure relief in lithium batteries.



Transformers and Generators

Rupture disks are used at the head of transformers and tanks by releasing pressure and protecting them from overpressure such as explosions occurring.



We recommend the larger ARD / CV-F style for replacing 'lead sheet' disks on the LP stage of the steam turbines. Large rupture disks that can withstand full vacuum service are also used on steam condenser units.

For smaller scale biofuel energy generation ZOOK can provide insulated composite disks capable of high temperature service to protect exhaust gas systems. ZOOK Explosion vents and ultra-low pressure rupture disks can protect bio-gas storage vessels and HV switching / connection areas.

Over pressure protection is a necessity in the power supply sector. Pressure relief design should be customized to each specific application:

- Switchgears
- Lithium batteries
- Nuclear
- Power applications
- Transformers
- Generators
- Circuit breakers
- Process steam control



Geothermal

In Geothermal applications, graphite disks and composite products can be used as well as larger reverse or scored forward acting products. Inconel 625 is highly preferred for the metal disks and is available from ZOOK.

PRV are normally fitted with rupture disks to form a leak tight seal at the valve inlet to protect the PRV from corrosion, scaling and plugging in the brine steam generation processes. The addition of a rupture disk isolates the PRV from the process media reducing the need for frequent and costly maintenance and keeps plants running in optimal conditions.

Wind Farms

ZOOK rupture disks can be used in the HP hydraulics of wind farms. We recommend custom welded assemblies (CWA) for custom fittings and connections for these stringent applications.



ZOOK's CWA department is dedicated to the design and development of customized rupture disk assemblies for specific customer applications.

CWA are manufactured with the highest quality control:

- 100% Helium leak testing
- Burst testing
- Weld & body pressure testing
- Digital inspection of threads & body dimensions
- Ultra sonically cleaned
- 100% material traceability

Nuclear Power

Rupture disks are required on heater drain tanks at nuclear type power plants. Forward acting scored are recommended.

ZOOK manufactures over pressure solutions worldwide for low, medium and high voltage equipment.

ZOOK is committed to finding pressure relief solutions for our customers that maximize their productivity and performance while keeping them safe. ZOOK is a global market leader with over 90 years of manufacturing expertise of high quality metal & graphite rupture disks and other pressure relief products. ZOOK has global locations in the USA, United Kingdom, Canada and Malaysia, with state-of-the-art manufacturing facilities in Canada and the USA.

Our products are sold in 65+ countries and to-date have over 6,000 customers buying our products worldwide.

We are dedicated to investing heavily in the latest technology and production to stay competitive in the marketplace, and are able to offer comprehensive solutions to the selection and sizing of products best suited for each customer application.

SERVING AMERICA, CENTRAL & SOUTH AMERICA

16809 Park Circle Drive
Chagrin Falls, Ohio 44022
United States

Toll Free: +1 800 543 1043
Phone: +1 440 543 1010
E-mail: sales@zookdisk.com
Website: www.zookdisk.com

SERVING EUROPE, MIDDLE EAST & AFRICA

Navigation House, Bridge Street
Killamarsh, Sheffield S21 1AL
United Kingdom

Phone: +44 (0) 1909 560999
E-mail: sales.europe@zookdisk.com
Website: www.zookdisk.com

ALL OTHER INTERNATIONAL INQUIRIES

E-mail: sales@zookdisk.com

SERVING CANADA

4400 South Service Road
Burlington, Ontario L7L 5R8
Canada

Toll Free: +1 800 370 6057
Phone: +1 905 681 2885
E-mail: sales.canada@zookdisk.com
Website: www.zookdisk.com

SERVING ASIA PACIFIC

Menara LGB TTDI
Unit 6-3A, Level 6, Menara LGB,
No. 1, Jalan Wan Kadir, Taman Tun Dr. Ismail,
60000 Kuala Lumpur,
Malaysia

Phone: +603 2706 0098
E-mail: sales.asia@zookdisk.com
Website: www.zookdisk.com



Power_082022

