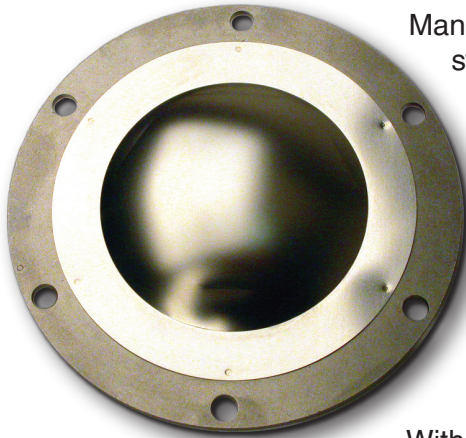


# Switchgear Overpressure Bursting Disc



Manufacturers of switchgears use rupture discs on cabinets where conductors and contacts are insulated by pressurized (SF<sub>6</sub>) sulphur hexafluoride gas.

Within switchgear housings, very large amounts of energy are released in the form of heat and even radiation. This energy may give rise to pressure increases which may burst the enclosure unless the heated gases are given the possibility



to flow out through relief openings. In the event of an internal fault, a pressure relief device would operate before internal pressure exceeds the design limit of the compartment. The pressure relief device should be designed so that discharges resulting from internal faults are directed away from locations where personnel may be present.



**Materials:**

- 316 SS, Inconel<sup>®\*</sup> or Nickel

**Specifications:**

- Burst Pressure Available From: 1 Barg to 6 Barg at 22° C (17 psig to 90 psig at 71.6° F)
- Available Nominal Size: 50 mm (2.0”), 100 mm (4.0”) & 150 mm (6.0”)
- Bolted Mounting
- Current Model Nos.: SC12651, SC12951, CD31246, CD31252. Other special models available on request.



**Industry Standards/Certifications:**

- Produced and tested in accordance with industry standards.

**Features:**

- Relieves unsafe internal SF<sub>6</sub> gas pressure when the rupture disc assembly bursts at a pre-determined pressure.
- 90% operating ratio
- Zero manufacturing range
- Designed to withstand full vacuum
- Non-fragmenting design
- Solid metal design in a variety of available materials for optimum corrosion resistance

\* Inconel<sup>®</sup> is a registered trademark of the Inco family of companies.



# Switchgear Overpressure Bursting Disc (continued)

**Benefits:**

- Reduces costs and risk by protecting against damage to surrounding equipment and injury to personnel due to catastrophic overpressure events.
- Clean, consistent opening pattern to provide optimum flow conditions
- Thicker rupture disc materials contribute to superior corrosive resistance.

Continental Disc Corporation provides solutions for even the toughest pressure protection problem. Contact your representative for more information about the switchgear overpressure bursting disc. Visit our website at [www.contdisc.com](http://www.contdisc.com) to learn more about Continental Disc Corporation.

Continental Disc Corporation has representatives located throughout the world. Contact the Continental Disc Corporation office nearest you for the authorized representative in your area or visit [www.contdisc.com](http://www.contdisc.com).

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