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The Fike Expertise

For over 65 years Fike has been the leader in pressure relief solutions and rupture bursting disc innovation. Fike products are complying with a variety of code regulations around the globe and are designed to meet or exceed industry requirements for performance, reliability and quality. From safeguarding your critical manufacturing processes to protecting your pressure relief valves (PRVs), Fike products are part of the critical path to lowering your costs and helping you achieve higher profitability.

Why Pressure Relief Technology?

A rupture disc is designed to provide a leak tight seal within a pipe or vessel until the internal pressure rises to a predetermined level. At that point the disc bursts preventing damage to the equipment from overpressure.

Common causes for overpressure:
- Blocked discharge
- Thermal expansion
- Chemical runaway reaction
- External fire or loss of coolant
- Loss of purge gas

Lack of safeguarding can cause:
- Mechanical damage
- Loss of product
- Environmental damage
- Personnel injuries
- Production downtime

Protection for extrusion processes in a variety of sizes and burst pressures. Protection for extrusion processes in a variety of sizes and burst pressures.
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• loss of product
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• external fire or loss of coolant
• chemical runaway reaction

Common causes for overpressure:

Fike Pressure relief Product Overview

<table>
<thead>
<tr>
<th>SANITARY</th>
<th>Size Range</th>
<th>Burst Pressure Range</th>
<th>Operating Ratio</th>
<th>Vacuum Resistant</th>
<th>Burst Indicators</th>
</tr>
</thead>
<tbody>
<tr>
<td>AKXS SC</td>
<td>1/2 - 4 in</td>
<td>10 - 275 PSI</td>
<td>90%</td>
<td>Yes</td>
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<tr>
<td>Advanced Design/G2 Technology</td>
<td>Cone/Non-Con</td>
<td>DN15 - 108</td>
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<tr>
<td>SR-H</td>
<td>1 1/2 - 4 in</td>
<td>12 - 145 PSI</td>
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<tr>
<td>Excellent Liquid Performance</td>
<td>Disc/Reverse Acting</td>
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<tr>
<td>VVA</td>
<td>1 1/2 - 2 in</td>
<td>280 - 1500 PSI</td>
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<td>High Pressure Applications</td>
<td>Disc/Reverse Acting</td>
<td>DN20-50</td>
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<tr>
<td>LO-V</td>
<td>3 - 8 in</td>
<td>1'650 - 1500 PSI</td>
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<tr>
<td>Superior Opening</td>
<td>45 Degree</td>
<td>DN20-300</td>
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REVERSE ACTING

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<tr>
<th>AXUS</th>
<th>Size Range</th>
<th>Burst Pressure Range</th>
<th>Operating Ratio</th>
<th>Vacuum Resistant</th>
<th>Burst Indicators</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Design/G2 Technology</td>
<td>Long Service Life/Small Diameter</td>
<td>DN20-300</td>
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<td>SRX</td>
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<td>10 - 280 PSI</td>
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<tr>
<td>Good to Liquid Applications</td>
<td>Flat washer</td>
<td>DN20-500</td>
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<td>SXK</td>
<td>1 - 24 in</td>
<td>20 - 1500 PSI</td>
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<td>Long Service Life</td>
<td>Flat washer</td>
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FORWARD ACTING SCORED

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<tr>
<th>POLY-SD</th>
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<th>Burst Pressure Range</th>
<th>Operating Ratio</th>
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<tbody>
<tr>
<td>Rugged for Severe Applications</td>
<td>1/2 - 24 in</td>
<td>15 - 1000 PSI</td>
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<td>High Pressure Applications</td>
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<td>SEND</td>
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<td>DN35-600</td>
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FORWARD ACTING COMPOSITE

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<tr>
<td>Medium Range of Severe Pressures</td>
<td>1 - 24 in</td>
<td>1 1/2 - 2000 PSI</td>
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<td>AD SERIES</td>
<td>Size Range</td>
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<td>47 - 1000 PSI</td>
<td>DN60-2500</td>
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<td>1 - 1450 PSI</td>
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CONVENTIONAL

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Insert Type Holder

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Fittings

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fike burst indicators can be used to activate alarms, bells, remote notification of a rupture disc activation. with a large variety of sizes and burst pressures for your application.

you design the right engineered pressure relief solution from rupture disc burst pressures to response time and begin by gathering all relevant information about your process control systems, so annunciators or interfaced with measures can be taken.

for special applications, custom rupture discs are available. Let fike help you design the right engineered pressure relief solution.
A rupture disc is designed to provide a leak relief solution and help protect your critical processes from overpressure. At a predetermined level, the disc opens to prevent damage, ensuring that appropriate safety follow-up measures can be taken.

When your application demands a unique approach, our experienced engineers and technical staff will begin by gathering all relevant information about your specific rupture disc application needs. Critical factors from rupture disc burst pressures to response time and leakage requirements are all examined. Let Fike help you design the right engineered pressure relief solution for your application.

### Special Applications

- **END**
  - Protection for extrusion processes in a variety of sizes and burst pressures
  - 90% Operating Ratio
  - Polishing/Cyclic
  - Liquid, Vapor/Gas

- **TCP/HAT**
  - Protection for extrusion processes in a variety of sizes and burst pressures
  - Liquid
  - Graphite construction that is inert to most chemicals

- **VISCOS TEE**
  - Designed to allow for viscous flow, preventing build-up and plugging

### Burst Indicators

Fike burst indicators are used to provide instantaneous notification of a rupture disc activation. With a large variety of devices to choose from, Fike burst indicators can be used to activate alarms, bells, remote annunciators or interfaced with process control systems, so that appropriate safety follow-up measures can be taken.

### Custom Rupture Discs

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SAVE DOWNTIME, CONTROL EMISSIONS, PROTECT YOUR PRESSURE RELIEF VALVES

INFORMATION AT YOUR FINGERTIPS

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