

ENVIROVALVE

Safety, Accuracy, Reliability

ASME CERTIFIED

PATENTED DESIGN



Innovative

Accu-Shear

Breaking Pin Relief Valve



www.envirovalve.net 918-251-6103

Protect with the Best Pressure Relief Device in the Industry. The **Accu-Shear** Pressure Relief Device



ACCU-SHEAR pins break cleanly every time. During manufacture, every sixth pin is broken to insure the material or tolerance has not changed **ACCU-SHEAR** pins are less costly than competitors: **Easily replaced without tear down of entire system.**

Accu-Shear Pin device's revolutionary design is different from other traditional pin devices. The device does what the name implies: it shears or breaks the pin versus buckling or bending the pin. The device opens and closes like a triple offset butterfly valve, the pin is outside the device which allows for easy replacement. In processes where high capacity and instantaneous flow **to avoid equipment damage** are required, the **Accu-Shear** inline device is the answer.



Cost Effective and Great Customer Service

- Inline style, simple design and fewer parts ensure **Accu-Shear** cost effectiveness.
- Quotes are provided within 24 hours of request through our website or email.
- Licensed Professional engineer on staff to handle technical questions or assist you in designing the right valve or device for your application.

Easily Installed, Replaced and Reset

- No pieces to be cleaned in line after pin shears
- No debris to remove from line after pin shears
- Replacement pins are easily replaced with no need to remove device from the line.
- No confusion replacement, pins are engraved with a part number corresponding to the pin part number on the device.

Reliability – Accuracy – Patented – ASME, CRYO, Fire Certified – Robust Design





Hydro Testing



National Board Device Testing

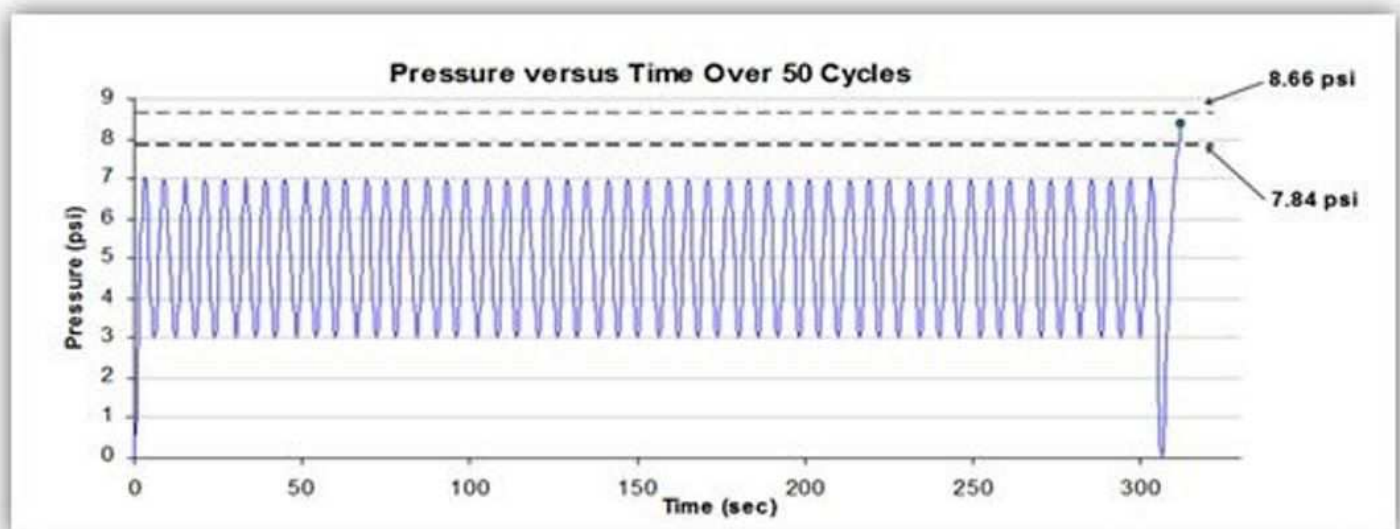


Key Benefits to Customer

- Lowest reset time of any manual pressure relief device/valve on the market. Minimal downtime as **Accu-Shear** resets in seconds. Please visit www.envirovalve.net/videos to see in real time exactly how fast and easy pin changes can be.
- Lower labor costs to reset device as it takes one person and a crescent wrench.
- Instantaneous pressure relief provides industry with maximum equipment and line protection.

Accuracy & Reliability

- **Accu-Shear** devices are ASME UD stamped, ensuring consistency of our manufacturing & testing processes. Each device is rigorously tested with three test reports supplied on each shipped device. Please visit www.envirovalve.net/videos to view our consistency demonstration.
- Customer testimonials available in person or over the internet are easily accommodated.
- Triple offset design allows for no rubbing or wearing of the seal during operation, maintaining consistent performance through the life of the device.
- Class VI (bubble tight) and Class V sealing up to 90% of set pressure is available for both metal and elastomeric seals.
- A patented preload mechanism present in the design insulates the shear pin from fatigue effects: **Maximizing accuracy of device opening and life of the pin.**



Accu-Shear reliability testing consistency over 50 cycles

Robust and Versatile Design

- **Accu-Shear** devices are available in a variety of materials and seal trims to ensure compatibility with your process-the device can handle wide temperature ranges, corrosive material and other obstacles.
- The industry proven seal design (based on metal seated triple offset butterfly valves) allows for metal, Teflon or other seal materials to be used interchangeably with no adverse effects on performance or design.



Accu-Shear Breaking New Technology in Pressure Relief Devices

- Large Diameter Pressure Relief Device (ASME UD Stamped)
- ASME Certified sizes from 8"-24" (Larger sizes up to 72" in diameter available as well)
- Set Pressures as Low as 1.0 psi +/- 10%
- Temperature Range: -300 Degrees Fahrenheit to 1000 Degrees Fahrenheit (metal or nonmetallic se designs available)
- Available in ANSI/FCI Class V or ASME Class VI leakage rates at 90% of set pressure
- Accurately and reliably opens within 5% of set pressure
- Instantaneous full flow, immediate relief of pressure to prevent equipment damage
- Resets manually in seconds with easily replaceable pins-Virtually NO DOWNTIME FOR ENTIRE LINE and LOW LABOR COST TO RESET
- Inline design-High flow capacity allowing customers to use smaller and lower cost diameters devices compared to other manufacturers for similar applications

Each Accu-Shear Pin Device is thoroughly tested before shipping to ensure a safe, accurate and reliable pressure relief device that our customers can count on.

For more information on **Accu-Shear** devices and other ENVIROVALVE products, please visit: www.envirovalve.net or contact our sales/engineering staff 918-251-6103

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