

MODEL H

High Pressure Relief Valve



FROM THE
CREATORS
OF THE
Original
BUCKLING
PIN
VALVE

Precise.

Quality.

Reliable.



SINCE 1958

MODEL H ADVANTAGES

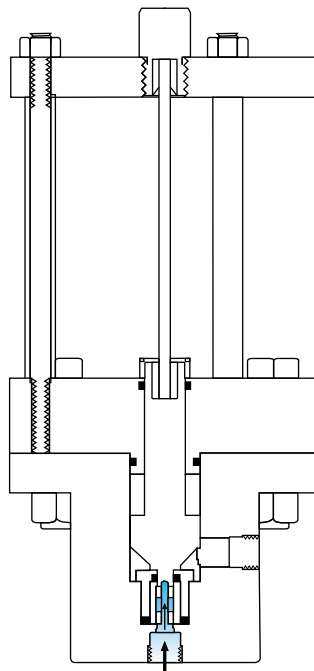
- Visual indication of opening.
- Unaffected by pulsating pressures.
- Unaffected by changing ambient temperatures at the pin.
- Opens in milliseconds.
- One moving part.
- Reliable settings.
- Environmentally safe option.
- Accuracy +/-5% of set point.
- Pin cannot fatigue and buckle early.
- Precise pin, obeying Euler's Law, acts as a pressure sensor and actuator.
- No loose metal or plastic shards to enter the flow stream upon opening.
- Easily reset without opening the line.
- Minimal down time to change the pin. Can be done by one person in under a minute.
- Special design for toxic fluids.



OPERATION

When the Rupture Pin® Model H is in the closed position, an elastomer seal contacts a machined, stainless steel piston seat for a bubble-tight shut off. When the pin buckles, the piston moves up to allow low volume flow.

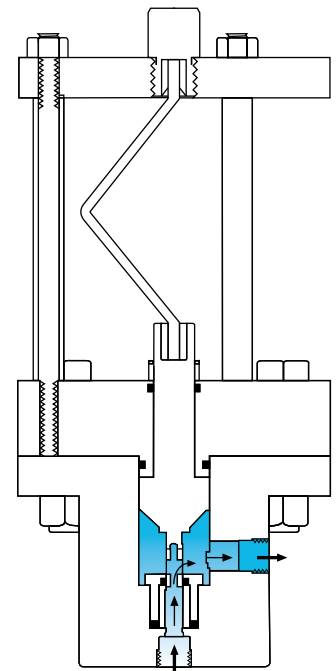
Closed



(Straight Pin)

Pressure Below Set Point

Open



(Buckled Pin)

Pressure At Set Point

OPTIONS

PROXIMITY SENSOR

For remote open indication.

PIN CONTAINER

Pin storage at the valve.

STAINLESS-STEEL SAFETY CAGE

Protects your pin from accidental damage.

Rupture Pin Technology's **Model H** is best in Methanol and Chemical Injection Systems and is available for pressure set points up to 16,500 PSI. The product is an angle valve that holds a bubble-tight, closed position until the pressure reaches an exact point, at which time the valve will open within milliseconds creating minimal exposure of the flow to the piston. The Model H is unaffected by pulsating pressure or changing ambient temperature at the pin.

This model is built with our revolutionary pin, a vital mechanism to each of Rupture Pin Technology's products' function, accuracy, and consistency that obeys Euler's Law precisely. The pin is external to the flow and the line does not need to be opened in order to change the pin. Replacement pins can be shipped the same business day and installation can be accomplished within seconds. Options for this valve include a proximity device for remote open indication, and a pin storage at the valve.

APPLICATIONS

Used mainly in Methanol and Chemical Injection Systems. The ideal substitute for rupture discs or belville washer type relief valves.

SPECIFICATIONS

PRESSURE SET POINT RANGE

1,000 PSI to 16,500 PSI.

VALVE SEALS

Available for high pressures, Kalrez or Viton seals.

STANDARD MATERIALS

Body and Trim 316 SS is standard.

ACCURACY

+/- 5% of set point.

CONNECTIONS

As specified by user.





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Precise.

Quality.

Reliable.

1/15/25

GET THE **P**OWER OF THE PIN
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