



Rupture Pin®

A BRAND OF  Taylor Valve Technology®

TRUSTED

SINCE 1958

WORLDWIDE

FROM THE
CREATORS
OF THE
Original
BUCKLING
PIN
VALVE

Precise.

Quality.

Reliable.

MODEL C-ASME

ASME Certified Angle Type



UD



SINCE 1958

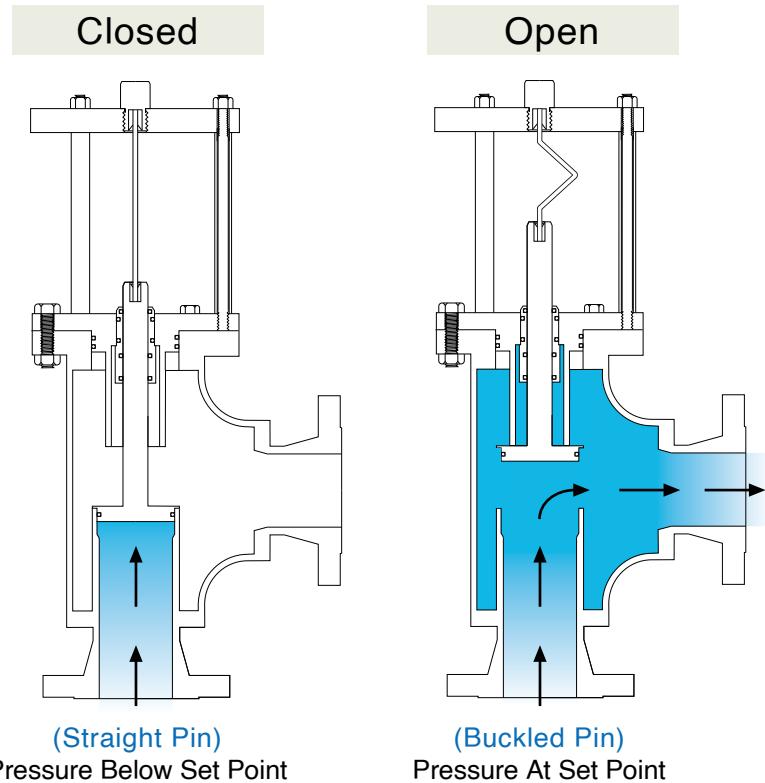
MODEL C-ASME ADVANTAGES

- Visual and remote indication of opening
- No fugitive emissions, even on resetting
- Does not generate metal or plastic shards
- Unaffected by changing ambient temperatures on the pin
- Bubble-tight seal to set point
- Opens in milliseconds
- Operates to within 95% of set point
- Pin cannot fatigue and buckle early
- Precise pin, obeying Euler's Law, acts as a pressure sensor and actuator
- The valve can be downstream balanced so that downstream pressure does not affect set point.



OPERATION

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 off seat to allow full flow pressure relief.



ASME SCOPE

Inlet-Outlet connections can now be the same size with option of outlet being one size larger than inlet.

Pressure Ranges: 15 - 1480 psi*
Rated for Both Liquid and Air Media

*Varies depending on Inlet/Outlet Sizes

OPTIONS

PROXIMITY SENSOR

For remote open indication.

PIN CONTAINER

Pin storage at the valve.

STAINLESS-STEEL SAFETY CAGE

Protects your pin from accidental damage.

The **Model C - ASME** holds a bubble-tight, closed position until pressure reaches an exact set point. At set point, the valve instantly opens to relieve pressure from a protected system.

- Wide variety of pressures ratings and settings.
- Full bore orifice.
- Reliable settings.
- Utilizes proven design principle – Euler's Law.
- Provides bubble-tight seal in closed position.
- $+\/- 5\%$ accuracy of set pressure. Accuracy usually held below $+\/- 3\%$.
- Stainless-steel seat and piston – standard.
- Reseats rapidly without opening the valve or line to atmosphere.
- Pin flag shows the pin code, valve serial number and pin set point in PSIG.
- No loose metal or plastic shards to enter the flow stream upon opening.
- One moving part.
- The pin cannot fatigue.
- Provides a reliable signal with the proximity sensor to monitor the stem movement and gives a remote indication that the valve has opened (*Option*).
- Spare pins can be stored at the valve (*Option*).
- Balanced piston design to negate the effects of back pressure (*Option*).

APPLICATIONS

Provides safety for a wide variety of pressure relief applications. The ideal substitute for rupture discs.

SPECIFICATIONS

VALVE POSITION

Pins are sized with the valve oriented as it will be in actual use; so, piston weight will not affect set point.

PRESSURE SET POINT RANGE

15 to 1,480 PSI.

SIZES

1.5" to 30". (Other sizes are available upon request for non-coded valves)

CONNECTIONS

Flange connections available - 150# to 600#.

VALVE SEALS

Available for high and low temperatures, Viton standard.

STANDARD MATERIALS

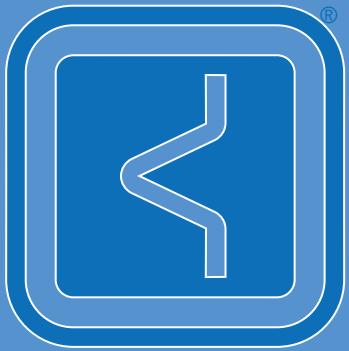
ASME Section II materials.

ACCURACY

$+\/- 5\%$ above 40 PSI, ± 2 PSI Below 40 PSI.

DOWNTSTREAM PRESSURE BALANCED

Optional, an additional piston balances out downstream pressure.



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