SPRING ACTUATED NON-RECLOSING PILOT-OPERATED PRESSURE RELIEF DEVICE

BURNERS | FLARES | THERMAL OXIDIZERS | VAPOR CONTROL | RENTALS | AFTERMARKET

The ZEECO® Spring Actuated Non-Reclosing Pressure Relief Device - for accurate, safe pressure control.

Zeeco's Spring Actuated Non-Reclosing Pilot-Operated (SA-NRPO) Pressure Relief Device is designed to relieve gas pressure in flare systems. While the system is most commonly found in ground flare systems, any flare staging application requiring a fail-safe bypass device can utilize the SA-NRPO Pressure Relief Device. In comparison to other bypass devices, Zeeco's SA-NRPO Pressure Relief Device eliminates the use of pins, has a very quick and simple reset procedure, and can operate at a relief set pressure as low as 0.25 psig. The SA-NRPO Pressure Relief Device can save you time, money, and materials.

A tightly-controlled manufacturing process achieves a precise pressure setting - time after time.

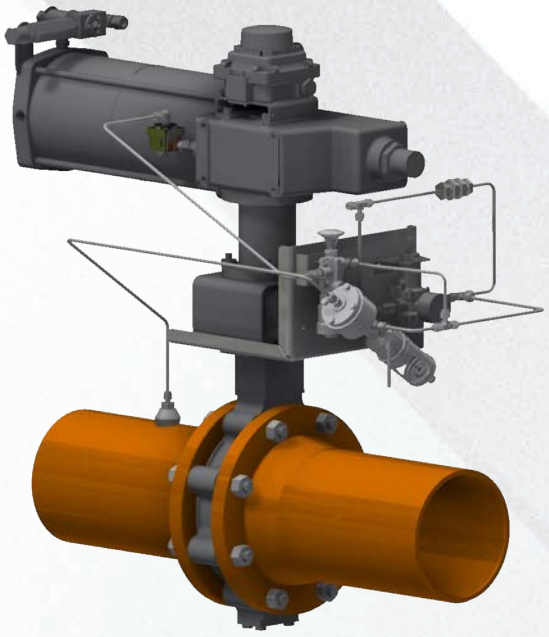
The device materials are purchased from certified suppliers with decades of industry experience. Each device consists of a minimal number of machined parts manufactured with tight tolerances. The high level of quality control used in the manufacture of the base materials as well as the machining process creates a consistent and repeatable performance of the pressure relief device.

Resetting the device is a one person job.

Local and remote failure indication switches display the status of the device's position. Following an overpressure event, re-setting the device can easily be done by a single operator in just a few minutes. An easily accessible design coupled with proven technology allows for reseating the device from outside the gas stream and with little downtime using only the push of a button. Opening the process line is not required.

Design Features

- Design components that have been time tested for decades
- Actuator sized to allow available air supply pressure to hold device in closed position
- Predictable and repeatable opening rates
- Easily hold tolerance of +/- 2 psig or +/- 5% for set pressures over 40 psig
- Positive shut off until set point is reached
- Re-seat the device in a matter of seconds with the push of a button
- No fugitive emissions
- In overpressure event, there are no pieces to separate in the device. No fragments flow to the downstream piping – a common issue with rupture discs.



Specifications

- Constructed to ASME sections VIII and XIII, ASME UD stamp available
- Standard body materials are available for operating temperature from -196°C to 1000°C
- Capacity and Flow Resistance Certification as per Section 9 of ASME Section XIII
- Quality documentation is available for all aspects of fabrication and testing
- Standard documentation includes Device Certification Sheet, Performance Test Record, Hydro Test Record, and Leak Test Record
- Standard sizes range from 6" to 96" with pressures from 0.25 to 500 psig

The Zeeco Difference

By concentrating on what we do best, Zeeco has grown into a worldwide leader in combustion and environmental solutions. We are a privately held company whose ownership stays highly involved in daily operations, with upper management comprised of the world's leading combustion experts.

When you call Zeeco, we answer. When you make a request, you get a quick, efficient response. We are lean and efficient, able to make decisions quickly, without bureaucracy and red tape. Our sales, engineering, and purchasing groups work hand-in-hand to deliver highly competitive quotes and heroic turnaround times. We stand ready and willing to travel anywhere in the world to discuss upcoming projects firsthand, and to ensure that every existing project runs seamlessly.

Zeeco Headquarters
22151 East 91st Street
Broken Arrow, OK 74014

Learn more at zeeco.com

sales@zeeco.com
+1 (918) 258 8551

Visit zeeco.com/contact for additional Global Location contact information

REGISTERED ISO 9001: 2015

Certification applies to Zeeco Headquarters.

GO ZEECO®

Choose to work with our dedicated, flexible, and innovative team, and you won't be disappointed. Call or email us today to request a quote or to learn more about our proprietary combustion systems.