



Available in low, medium, high and extra high pressure models, 40000 eight angle relief valves provide users with high accuracy and consistency of cracking and reset pressures. Furthermore, narrow pressure ranges (cracking pressures for each model can be factory pre-set) according to customer specifications, ISO certifications and CE marking are standard for all models. All 40000 relief valves are offered with multiple end connections to ensure application versatility.

### Typical Applications

- Beverage dispensing equipment
- Gas pilot plants
- Petrochemical test rigs
- Offshore oil platform heating lines
- Pharmaceutical sterilization and packaging systems

### Features & Benefits

#### Low Pressure (3 - 100 psig)\*

##### Zero friction poppets

- Increases accuracy of cracking pressure and reset pressure
- Improves consistency of cracking pressure and reset pressure

##### Re-regulated face seal

- Maximizes seal contact surface area
  - Protects seal face against dust & dirt
  - Seals out by its poppet maximum contact with seat, eliminating friction and preventing overcracking of the spring
  - Custom spring weight improves accuracy
  - Caps and bonnets are pre-filled for backwash
- Multiple end connections available

#### High Pressure (100-4000 psig)

##### Standard available

- Medium (100-1000 psig) - 4 spring weight improve accuracy
- High (100-2000 psig) - 7 spring ranges improve accuracy
- Extra high (2000-4000 psig) - one spring

Extra seat and design pressure friction relief increases accuracy of cracking pressure and reset pressure. Balanced poppet design allows cracking pressure to stay the same regardless of loading pressure. Unlike other 1/4" 1/2" 3/4" 1" 1 1/2" Multiple end connections available. Optional manual override handle.

### Circle Seal Controls

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\*Back pressure affects cracking pressure on low pressure series

relief valves