



®

CORPORATION

PILOT OPERATED RELIEF VALVE

1600 SERIES



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The Groth 1600 Series valves provide safe, dependable, and accurate low pressure and/or vacuum protection. Seals in accordance with API 2000 requirements for Pilot Operated Relief Valves. This design prevents fugitive emissions and conserves stored product. Rated flow at 10% overpressure provides the ability to operate closer to the tank MAWP, increasing the operating range of the process. This reduces the need for a large overpressure and saves product, which translates into profit. Flexibility in terms of film or o-ring seat and snap or modulating action allows product customization to specific application requirements. The Model 1662A incorporates a vacuum breaker.

Technical Details

- Sizes: 2" through 12" (50-300mm)
- Pressure Settings: 2.0 InWC to 15 psig
- Vacuum Settings: 7.0 InWC to 12 psig
- Standard Body Materials: Carbon Steel (WCB/CS), Stainless Steel (CF8M/316), Aluminum (356)
- Supply Media Temperature Range: -320° F to 300° F
- ISO 9001 Certified manufacturing process
- ATEX and PED Approval

Features

- Ease of precision settings
- Main valve remains tight to set pressure.
- Full open at 10% overpressure
- Modulating action conserves product since valve opening is proportional to overpressure
- Noise is reduced since the valve only opens fully when required
- Soft seats seal tight to conserve product and minimize valve wear which improves reliability

Options

- 150# ANSI, PN10, PN16, JIS drilling classes available
- Pilot exhaust piped to discharge header
- Field test connection
- Manual blow down
- Conical film seat pallet
- Remote sense pickup
- Pilot supply filter



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