Parker temperature and pressure relief valve

C-5600 Series Angle Type Temperature and Pressure Reducing Valve

- Bottom-in and side-out angle valve body
- Two-stage pressure reduction: The first stage involves pressure reduction through a flow-opening low-noise sleeve valve trim, while the second stage involves pressure reduction through a noise reduction device. The noise reduction device can be a 1st, 2nd, or 3rd stage low-noise cage structure or labyrinth structure.
- The temperature reduction section is directly installed downstream of the second-stage decompression section, which includes a water spray composite chamber and the temperature reduction water spray device of Parker valve.
- The vertical arrangement of the actuator and the self-draining structure can prevent the accumulation of particles and condensate water when the valve is in the closed position.
- Typical application: steam regulation - temperature and pressure reduction in the bypass process of high, medium, and low-pressure steam turbines

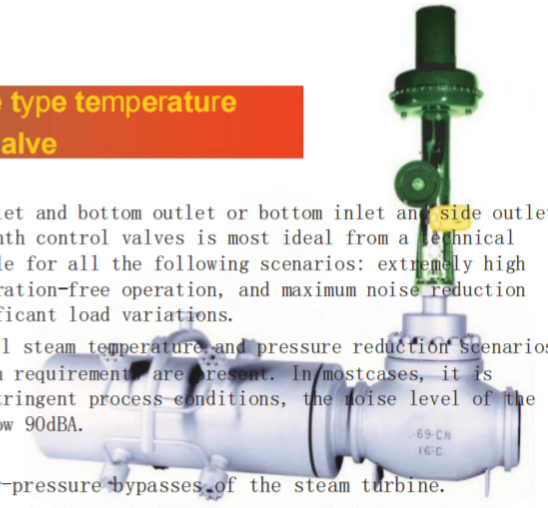
C-5900 Series Direct-Through Temperature and Pressure Reducing Valve

- Direct-through spherical valve body.
- Two-stage pressure reduction: 1. Low-noise sleeve valve internals,
- 2. Single-stage or multi-stage noise reduction device, which can also be a labyrinth low-noise labyrinth stack.
- The spray section of the integrated desuperheater is directly
- arranged downstream of the second-stage pressure reduction section
- , and the temperature reduction performance of the system depends
- on the desuperheater used.

Typical applications:

- Temperature and pressure reduction process with medium/low flow capacity - bypass for medium and low-pressure steam turbines with operating temperature not exceeding 566.
- Cogeneration power plants, which require tight shut-off for continuous operation.
- In situations where process steam is continuously regulated - temperature and pressure reduction

C-9000DES series angle type temperature and pressure reducing valve



- Angle valve body, side inlet and bottom outlet or bottom inlet and side outlet
- The application of labyrinth control valves is most ideal from a technical perspective and is suitable for all the following scenarios: extremely high pressure differences, vibration-free operation, and maximum noise reduction under conditions of significant load variations.
- It is widely applied in all steam temperature and pressure reduction scenarios where high noise reduction requirements are present. In mostcases, it is necessary to Even under stringent process conditions, the noise level of the bare tube can be kept below 90dBA.
- Typical applications:
  - — High-pressure and low-pressure bypasses of the steam turbine.
  - — In situations where high adjustability is required while controlling noise and meeting normal adjustments, especially during the startup process of supercritical units.

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