



Process Automation

IMI Z&J

Iron & Steel Isolation Goggle Valve



Breakthrough
engineering for
a better world



Iron & Steel

Isolation Goggle Valve

The design provides 100% shut-off of media flow with a total separation of the gas main in closed position. For clean and crude gases. Enclosed or open design with a variety of installation positions (vertical, horizontal, swing type).

Key Features

- Total separation of the gas main in the closed position, thus ensuring no passage of the media from the upstream to the downstream gas main, i.e. "Man-Safe" isolation.
- High operating temperatures in hot-wall or cold-wall design.
- Valve designed for temperature fluctuations.
- Mechanical goggle plate seating/clamping achieved by spring packages within the hydraulic rams. Opening/unclamping is effected by hydraulic pressure onto the rams.
- Dual circuit hydraulic systems available.
- Open structure or totally enclosed (bonnets) design.
- Venting to atmosphere or save location of bonnets in closed position possible.
- Valve actuation in accordance with customer's requirements (man./electr./hydr./pneum.).
- Very low maintenance requirement.
- Diameters DN 400 - 5000.
- Operating pressure up to 4.0 bar.
- Operating temperature up to 1100 °C.

Type I

- Uniformly arranged hydraulic rams on one side of the valve body that are able to both clamp and unclamp.
- Operating temperatures reach up to 1100°C (2000°F).

Type II

- All mobile components are situated inside the traversing valve plate structure.
- Operating temperatures reach up to 400 °C (750 °F).



Type II Goggle Valve

Type III

- Clamping, unclamping, and movement of closed discs or open rings is facilitated by electrical actuator, eliminating the need for hydraulics.

Swingtype

- Compact Design for space-constrained applications (available in open and enclosed variants).



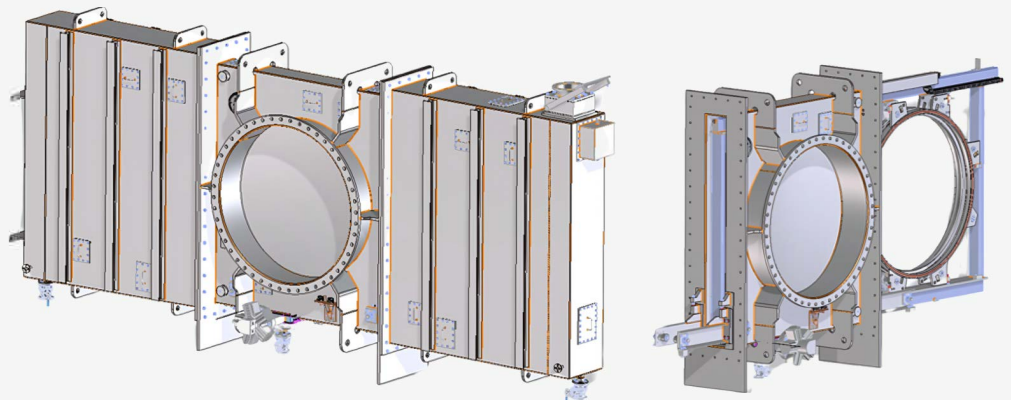
Swingtype Goggle Valve

Benefits

- No jamming of valve plates, not even under extreme operating conditions
- Wear-free travel of the plate from open to closed position & vice versa
- No utility consumption when valve is in open or closed position
- Tight shut-off in accordance with safety regulations

Applications

- Iron & Steel, Blast Furnace Gas
- Flue Gas
- Dust-Loaded Gaseous Media
- Crude Gas



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