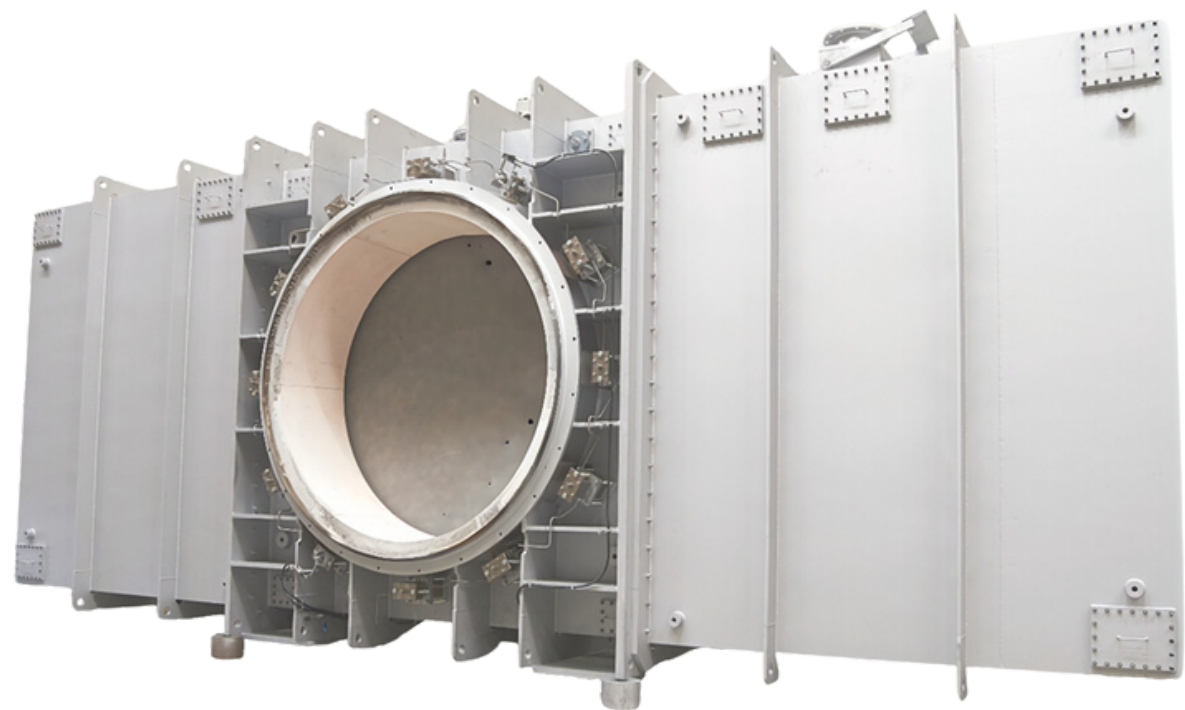


# Isolation Goggle Valve

Gas Tight Shut-Off, enclosed or open design.  
Suitable for high operating temperature,  
wear-free operation.



IMI Z&J  
Z&J Technologies GmbH  
Bertramsweg 6  
52355 Düren  
Germany

Tel: +49 (0)2421 6910  
E-Mail: [imizandj.germany@imi-critical.com](mailto:imizandj.germany@imi-critical.com)

IMI Critical Engineering  
Lakeside, Solihull Parkway  
Birmingham Business Park  
Birmingham B37 7XZ  
United Kingdom

Tel: +44 (0)121 717 3700  
Fax: +44 (0)121 717 3701

[www.imi-critical.com](http://www.imi-critical.com)

# 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 of totally enclosed type in closed position.
- > 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
- > Venting to atmosphere or save location of bonnets in closed position possible.

## 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 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).



Type II Goggle Valve



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

