GOGGLE VALVES
„MAN SAFE“ ISOLATION VALVES

Tel.: +352 276854-0
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Goggle Valves
Lever Valves
Double Eccentric Valves
Butterfly and Louver Valves
Dust Outlet Valves
Hot Blast Valves (Energy saving)
Tuyere Stocks (Energy saving)
Wedge Gate Valves

Two (2) expansion joints are required. The expansion joints can only be accessed/exchanged in dismantled condition. Clamping/unclamping cylinders are accessible/changeable from the outside during operation. One single, firmly piped hydraulic system for goggle & blind. Hydraulics are not exposed to full thermal load. Goggle & blind are centrically fixed by means of two expansion joints.

TYPE III

FEATURES
Fabricated construction

Valve actuation in accordance to customer’s requirements (man. / electr. / hydr. / pneum.)

Execution with mechanical lifting devices available

Pressure rating up to 6 bar

Service temperatures up to 350 °C

Nominal sizes up to DN 5,000

Other sizes or operating conditions on request

DESIGN FEATURES OF GOGGLE VALVES

THIS DESIGN GUARANTEES

Absolutely tight, so called “Man safe” isolation device, although used for dangerous and toxic gaseous media (even with high dust content).

Even in the event of a leakage the gas can either escape to the atmosphere (open design) or is collected in the hoods of the enclosure and can be safely extracted into safe area (enclosed design).

After traversing, the valve plate is clamped between the body sealing surfaces and is sealed by elastic seals inserted into grooves on the sealing faces of goggle and blind.

In the event of power loss, the valve keeps tight, as the required sealing force is created by the spring-loaded clamping devices
**TYPE I**

Clamping/unclamping cylinders with integrated spring pack

Expansion joint

Seals

Goggle & blind

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**FEATURES**

- Clamping/unclamping cylinders are accessible/changeable from the outside during operation.
- One single, firmly piped hydraulic system for goggle & blind.
- Hydraulics are not exposed to full thermal load.
- The expansion joint can be accessed/exchanged in dismantled condition.
- Goggle & blind are centred by a driver mechanism.
**TYPE II**

**FEATURES**

- Clamping/unclamping cylinders are accessible/changeable from the outside in the unclamped section during operation (on open type goggle valves only).

- The expansion joints are accessible/changeable in the unclamped section during operation.

- Goggle & blind are centrically fixed (no complex driving mechanism required).

- Independant oil supply for goggle & blind plate (double quantity of cylinders!)

- Environmental conditions
**TYPE III**

**FEATURES**

- Clamping/unclamping cylinders are accessible/changeable from the outside during operation.
- One single, firmly piped hydraulic system for goggle & blind.
- Hydraulics are not exposed to full thermal load.
- Goggle & blind are centrically fixed by means of two expansion joints.
- Two (2) expansion joints are required.
- The expansion joints can only be accessed/exchanged in dismantled condition.
VCL PRODUCT RANGE

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ADDITIONAL PRODUCTS

Push Lever Valves, Snort Valves, Bleeder Valves, Equalizing & Relief Valves, Back Draft Valves, Non Return Valves, Line Blinds

ADDITIONAL SERVICES

Repair Service, Refurbishment and Modifications, Spare parts for each kind and brand of Valves