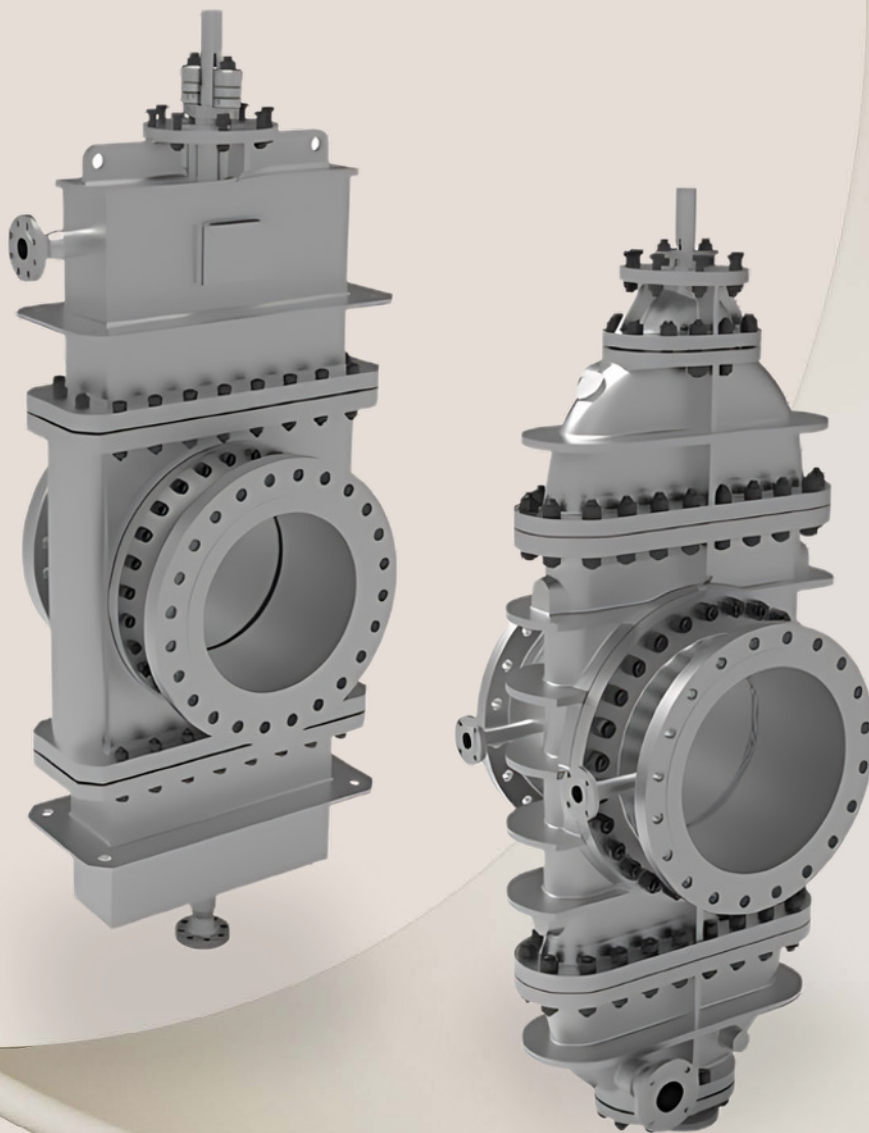


# Process Automation

Our product brands:  
IMI Z&J

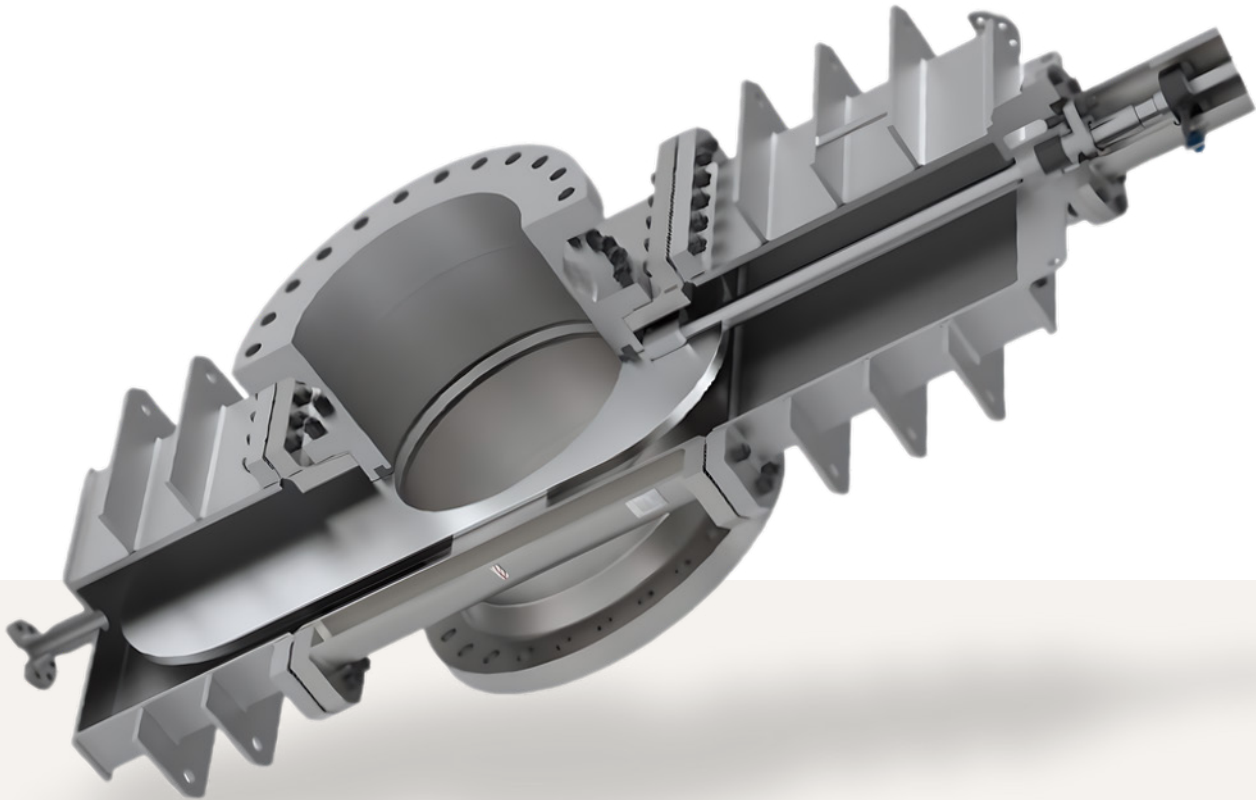


## RHEFLA® Flat Plate Gate Valves



Breakthrough  
engineering for  
a better world

## RHEFLA® Flat Plate Gate Valves



The RHEFLA® flat plate gate valve is designed on the basis of the line blind principle. A plane parallel gate plate slides between two preloaded sealing rings and, in the open position, guarantees no obstruction in the pipeline with no resistance to the flow of the medium. Accordingly, there will be virtually no appreciable pressure loss. The sealing rings are fully covered by the gate plate and are therefore protected in both end positions (open/ ensuring very high and durable tightness.

The sealing rings are exchangeable, thus minimising maintenance effort and down time. Various designs, a broad range of materials and various sealing system options give this gate valve a near universal range of applications, particularly for problematic media. The RHEFLA® valve is used particularly for demanding sealing tasks and difficult media in the chemical, petrochemical and iron steel industries.



## Key features and benefits

- A broad range of body materials and sealing systems makes it adaptable to a large number of applications and operating conditions.
- Pressure ranges up to 100 bar (ANSI 600).
- Temperature range up to 700°C.
- Any type of actuator available.
- Any installation position possible.
- Sealing rings fully covered and protected in open and closed positions.
- Special design and further options relating to design, materials, actuators and sealing systems on request.

- Pressure range PN 40 -PN 100 (ANSI 400 -600).
- Single body design (fixed sockets) with wedge and pressure screw for the adjustment of the sealing pre loading.
- Same sealing systems and design features as standard RHEFLA types.



## Installation & Service

RHEFLA® valves are used predominantly in demanding plants and applications and must operate safely and reliably for many years. During scheduled shut downs it is important to have a professional overhaul of the valves. For such maintenance our experienced service team will be at your disposal. All work steps including the final tests will be executed and documented in accordance to our high quality standard.

- Installation and commissioning.
- Support and consulting for the proper choice of spare parts in the run up to plant shutdowns.
- Repairs, maintenance and complete overhauls in our facilities or on site.
- Support of your own maintenance team on site.
- Competent technical consulting and integration of new technologies in existing valves.
- Typical bore sizes: 2" to 64"
- Operating pressure: Up to 100 bar

### RHEFLA® valve types

- Standard  
DN50 up to 1600 (64")  
Maximum 40 bar
- Bottom Gate Valve  
DN50 up to 400 (16")  
Maximum 40 bar
- For higher pressure ratings  
DN50 up to 500 (20")  
Maximum 100 bar
- With wear protection  
For EDC/VCM plants

### Sealing Types

- Type: Soft Sealing  
Fluid: clean, liquid or gaseous  
Material: PTFE, Temp < 200 °C  
TFM carbon, Temp < 250 °C  
EURAL II, Temp < 450 °C
- Type: Metal Soft Compound  
Fluid: highly contaminated  
Material: Ni Resist/PTFGL,  
Temp < 200 °C  
Ni- Resist/EURAL II, Temp < 450 °C
- Type: Pure Metallic Sealing  
Fluid: highly contaminated  
Material: Friceram, Temp < 760 °C

# Process Automation

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