

# KNIFE GATE VALVE

**Tecofi**   
VALVE MANUFACTURER - FRANCE

## BIDIRECTIONAL KNIFE GATE VALVE, WAFER TYPE - MINING MARKET VGP RANGE

### POSSIBLE ACTUATORS

Handwheel (DN100-300),  
gearbox (DN350-600, pneumatic actuator,  
electric actuator, etc.

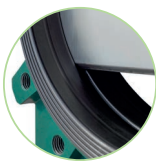
### STAINLESS STEEL STEM

Stainless steel AISI 410, avoids oxidation,  
high resistance with long service life.

### DUCTILE IRON GGG40 PACKING GLAND

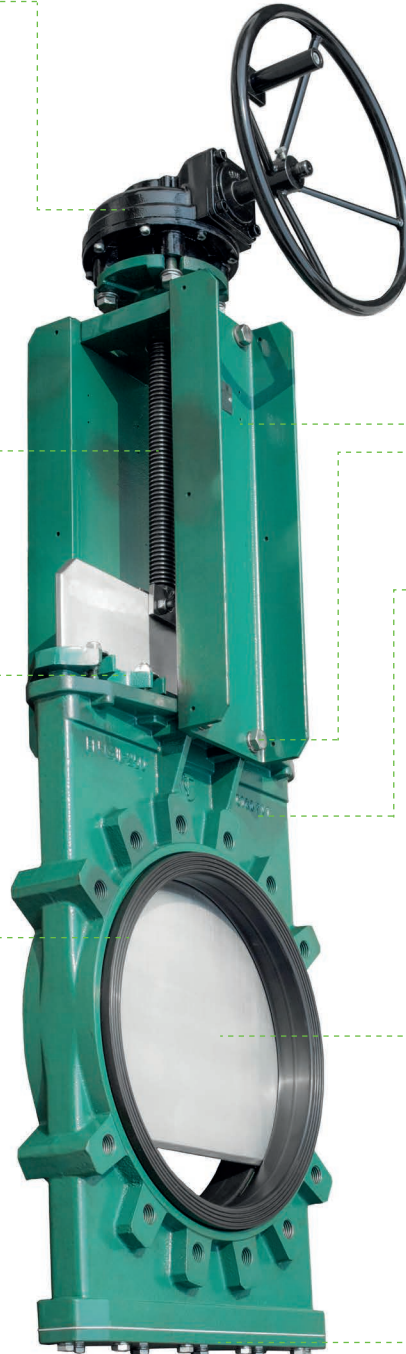
### NATURAL RUBBER SLEEVE

Resistant to abrasions.  
Bidirectional seal thanks to  
the 2 sleeves on each side of the body.  
Optional: EPDM, NBR



### INSPECTION HATCH IN LOWER PART OF THE BODY

Stainless steel A2-70 drain plug included  
Optional: Ductile Iron GGG50 rinsing hatch



### POSITION INDICATOR

Gate position indicator (mounted  
with sensor as option)

### STAINLESS STEEL NUTS AND BOLTS

### DUCTILE IRON GGG50 ONE-PIECE BODY

Anti-corrosion, oven-baked epoxy paint.  
Resistance to warping, rigidity, prevents  
leaks.

### THROUGH TYPE GATE

Machined and polished, available in:  
SS AISI 304, SS AISI 316, 316L, Duplex 2205,  
surface mirror polished.

### FLUSHING HOLE

(As an option)  
Possible to add supplementary  
holes in the body (upper part).



### VGP KNIFE GATE VALVES

As the leader in knife gate valves, Tecofi offers a full range that responds to a wide array of needs and applications. This VGP valve is mainly used in the mining industry and for loaded products.

The design of the valve allows for a body without a lower retention zone and the passage of loaded water (20 to 30%), aggregate. Excellent seat resistance.



## ADVANTAGES

### Use

- Ideal for use in the mining, chemical, energy, and water treatment industries.
- Compatible fluids: loaded water (20 to 30%), aggregate, dry fluids, liquids.
- Bidirectional seal without retention zone

### Characteristics

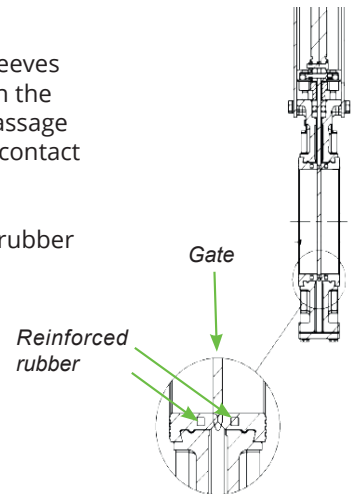
- Bidirectional valve, open or closed, wafer type, mounting between flanges ISO PN10.
- Preformed support plates (up through DN150). Plate in UPN, resistant and robust from DN200 for use in the most extreme conditions.
- Flange standard: EN1092 PN10 (PN16 EN1092-1 and EN1092-2/BS450/ANSI B16-5/ASA 150 as option)
- Stainless steel stem avoids oxidation
- SS304 gate, polished on both sides. ensuring an optimal cutting of the fluid. Multiple materials are available upon request.
- Fitted with a reinforced natural rubber sleeve for robustness and reliability.
- High resistance natural rubber sleeve perfectly meets in open position: full flow of the fluid.
- PTFE gasket limits the chance of exterior leaks and ensures optimal functioning of the gate. Replacement of the gland packing possible without disassembling the valve.

### Options/Available Versions

- Actuation possible according to your needs: manual handwheel, handwheel with non-rising stem, gearbox, pneumatic actuator, electric actuator.
- Available accessories by request: rinsing hatch, gate blocking system (ready for installation of pins), inductive limit switch, insufflation holes, etc.)

### Sleeves

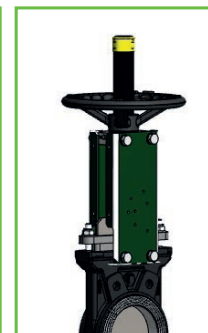
- Seat made up of 2 sleeves that perfectly meet in the open position: full passage of the fluid. No fluid contact with the metal parts.
- Replaceable natural rubber sleeve
- Mounting between flanges without addition gasket.



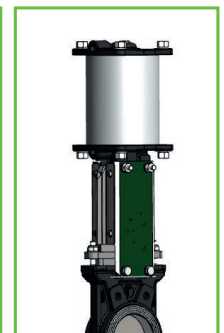
*Inspection hatch built with a sealing gasket for easy cleaning and preventing leaks.*



Manual Gearbox



Handwheel



Pneumatic Actuator