

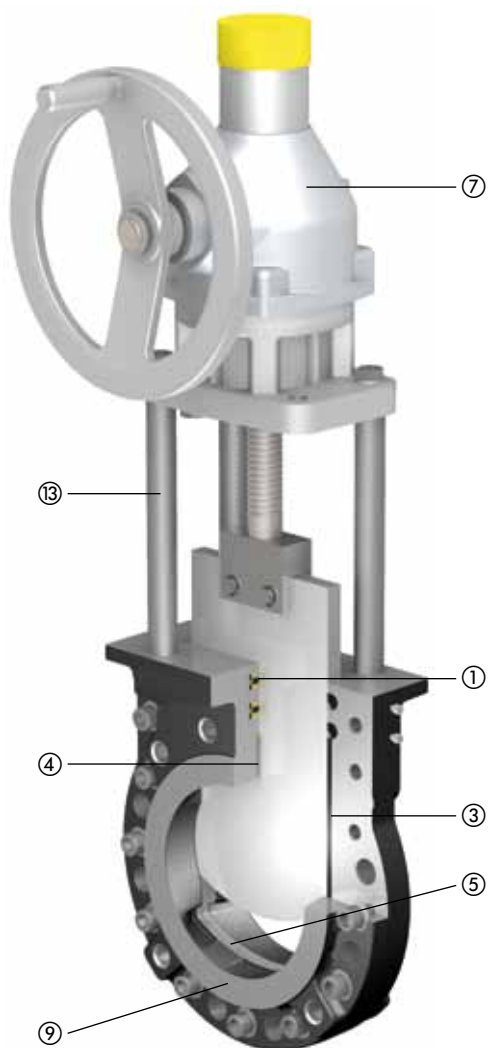
Wey Knife Gate Valve MH

2.6.00



PN 25

The Knife Gate Valve for pressure rating PN 25



Compare these unique features

Bi-directional, bubble-tight shut-off at full pressure

Gate guided for full length of stroke, with 60° arc geometry which prevents jamming, refer to illustration ⑩

Gate guided for full length of stroke for ensure flutter- and noise-free function and also regulating operation

Double heavy duty transverse seal ① with dual scraper blades for tight shut-off to atmosphere, refer illustration ③

Screws ② for easy repacking during operation, refer to illustration ⑩

Flush fitted and mechanically retained resilient seal ③, refer to illustration ⑩

Reduced chest cavity ④ to reduce debris collection

Self flushing contoured full body bore ⑤

Heavy duty ductile iron/stainless steel body ⑥ for low temperature service

Manual bevel gear, hydraulic, pneumatic or electric actuator ⑦

Flange drilling ⑧ acc. to PN 25 EN 1092 / ISO 7005

Face-to-face raised face dimension ⑨ EN 558 / ISO 5752 Series 16 (DIN3202 K3)

Test acc. to EN 12266-1 leakage rate A

Valve dimensions acc. Wey documentations No. 2.6.10 / 30 / 40 / 50

Threaded lugs ⑩ permit easy installation and are suitable for dead-end-service at full pressure

Optional:
Wear ring ⑪ 0.9635 (Ni-Hard)

Gate in 1.4404 with Cr-plating, 1.4034 hardened 51Rc or 1.4301

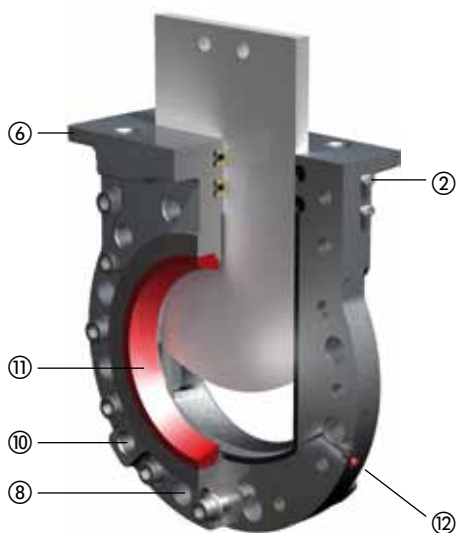
3E coating for gate and body to avoid medium build up

Gas-tight bonnet

Flush port ⑫ connections

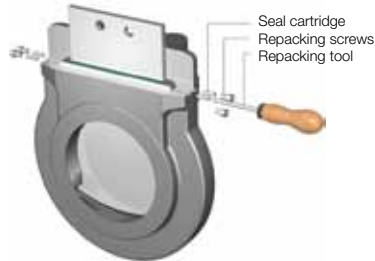
4-post heavy duty solid steel topwork ⑬

Safety guard in stainless steel according to machinery directive No 98/37 EC



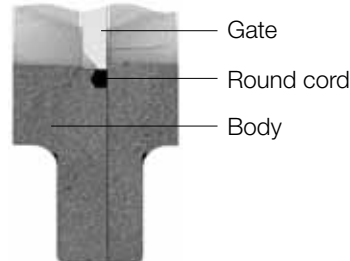
Design Details

Ⓐ Repacking valve



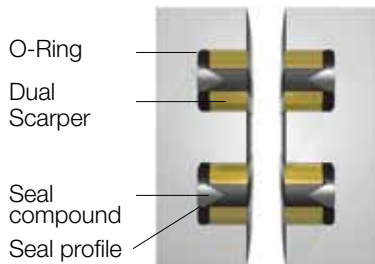
Section of transverse seal illustrating how sealing compound is insert into chamber to repack valve while valve is in service under full pressure

Ⓑ Mechanically retained seal



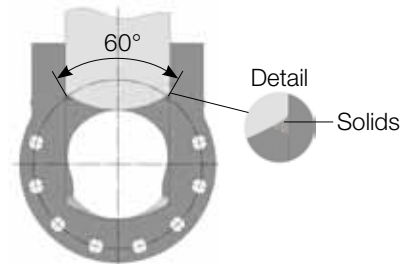
Mechanically retained resilient seal insures bubble-tight shut-off with pressure on either side of gate. Seal will not pull out of specially machined groove

Ⓒ Double heavy duty transverse seal Type 5



Various elastomeric seal material available. Seal includes compression loaded scraper blades to wipe gate clean and protect seal

Ⓓ Gate 60° Arc



Gate 60° arc design assures that solid are pushed ahead of gate and are flushed out as velocity increases and gate tip moves into open relief areas in body flush corner

Construction details

| Size* | Material * Body / Gate | Flange | Operating Pressure PN | Test Pressure** (bar) Shell / Seat |
|-----------|---------------------------|---------------|-----------------------|---------------------------------------|
| 100 – 400 | JS1072 / 1.4301 | PN 25 EN 1092 | 25 bar | 37.5 / 27.5 |
| 100 – 400 | 1.4408 / 1.4404 | PN 25 EN 1092 | 25 bar | 37.5 / 27.5 |

*other material an sizes on request

**Acc. to EN 12266-1 P10-P12

Temperature

–40° C to 400° C with adequate material- and construction adaption.

SISTAG coating

All steel parts are coated with type SL 29125, 2-compounde primer coat 100 µm and 2-comp. polyurethane top coat 80 µm, RAL 7030.

PED (Pressure Equipment Directive No 97/23/EC)

All equipment with pressure of < 0.5bar is subject to PED. Furthermore, the directive is distinguished between gas and liquid and dangerous fluids. The standard type MH design corresponds up to the category III.

ATEX (Atmosphere Explosible Directive 94/9/EC)

The directive describes the basic safety requirements for electrical and non-electrical mechanical equipment and protection systems, which are installed in a hazardous area. Option: The type MG can be supplied according to category 1GD IIB (inside) and category 2GD IIB (outside); refer to factory



Production of cylinder parts
on dual spindle turning center

Further products



Wey Sluice Gates



Wey Check Valves
(dirty water)



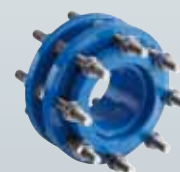
Wey Off-center
Butterfly Valves



Wey Check Valves
(clean water)



Centric Butterfly
Valves



Wey Dismantling
pieces

Your contact