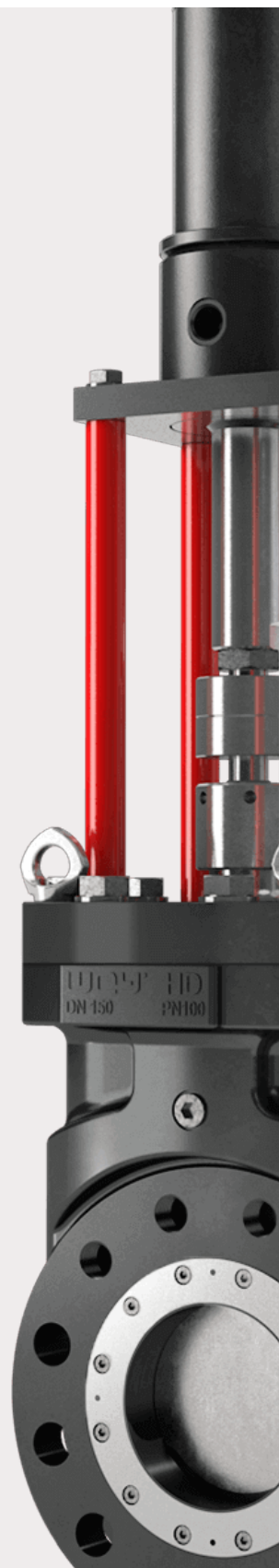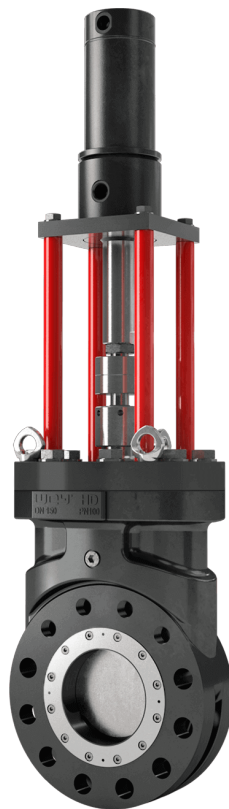# KNIFE GATE VALVES
HD SERIES

HD SERIES

The HD series is an extraordinary development of the Wey knife gate valve for operation up to a maximum pressure of 100 bar. The ingenious design ensures that the pressure of the medium creates an automatic sealing effect inside the seat area. The special bonnet design also allows media containing solids to be flushed out – and, of course, it is completely airtight. This makes the HD series ideal for the most difficult applications.

80 – 400 mm

Nominal sizes

Stainless steel, Cast steel
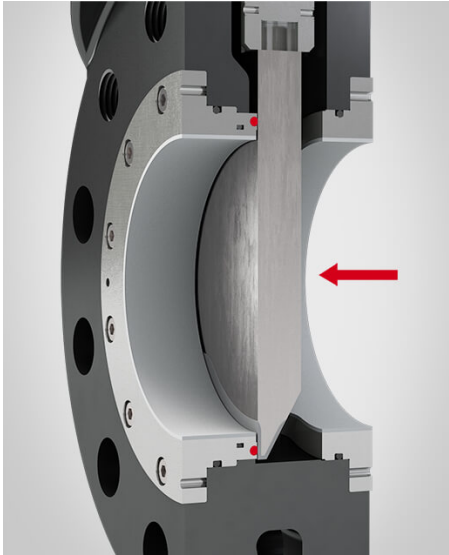
Material

0 – 100 bar
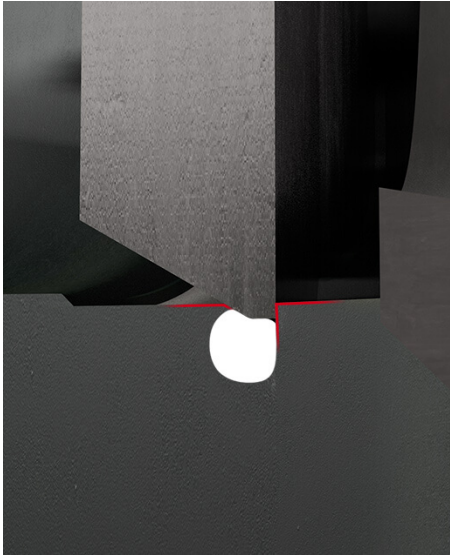
Pressure rating

PN40, PN63, PN100

Flange drilling

Special length

Face to face dimension

Inline pressure creates an automatic sealing effect in the seat area.

In the closed end position, the gate is also mechanically supported.

All known pipe-cleaning methods (e.g., pigs, brush cylinders, etc.) can be used with the body bore, resulting in minimal pressure drops.

Robust 4-post topwork for maximum load and a wide variety of actuator types.

APPLICATION AREAS

Mining
e.g. Mining slurry, Tailings ...

Waste water treatment plants
e.g. Sludge, Digested sludge ...

Wey HDH DN 350 at our production site in Switzerland.

MATERIAL OF CONSTRUCTION

Part	Cast steel	Stainless steel
Body	A216 WCB	1.4408
Gate	1.4301	1.4404*
Seal	PTFE	PTFE
Topwork	Carbon steel	Carbon steel
Stem / Piston rod	1.4104	1.4104

Other materials upon request
*hard chromed

CORROSION PROTECTION

Body	2 Comp. Epoxy-Polyamide Resin Primer, 2 Comp. Polyurethane-Enamel-Top Coat
Topwork	2 Comp. Epoxy-Polyamide Resin Primer, 2 Comp. Polyurethane-Enamel-Top Coat

ACTUATORS

Bevel gear

Pneumatic cylinder

Hydraulic cylinder

Electric actuator

DOWNLOADS

General documents

Lubricants	PDF	↓
Declaration of conformity DGRL	PDF	↓

Data sheets

HD with handwheel or electric actuator	PDF	↓

CONTACT US FOR YOUR TAILOR-MADE SOLUTION.