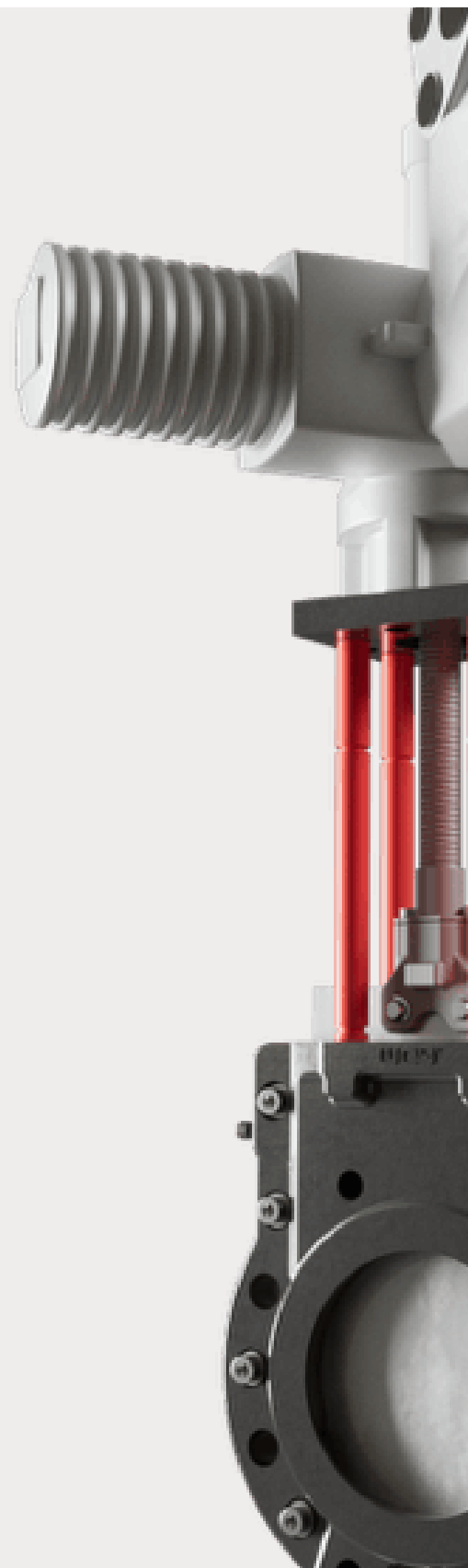




KNIFE GATE VALVES

FB SERIES



FB SERIES

Our full bore knife gate valve combines the proven Wey middle flange design with a completely free passage. Perfectly suited for all applications where pipes and valves need to be cleaned regularly with pigs. Specially designed scrapers remove deposits from the gate every time it is opened. The FB knife gate valve has already been installed in numerous plants for thermal sea or lake water utilization and has proven itself in the fight against the quagga mussel.



CHARACTERISTICS FB SERIES

50 – 2000 mm

Nominal sizes

Stainless steel, Ductile iron

Material

0 – 10 bar

Pressure rating

**PN6, PN10, PN16, ANSI Class 150,
BS10-D, BS10-E, AS2129-D, AS2129-E**

Flange drilling

EN 558 series 20

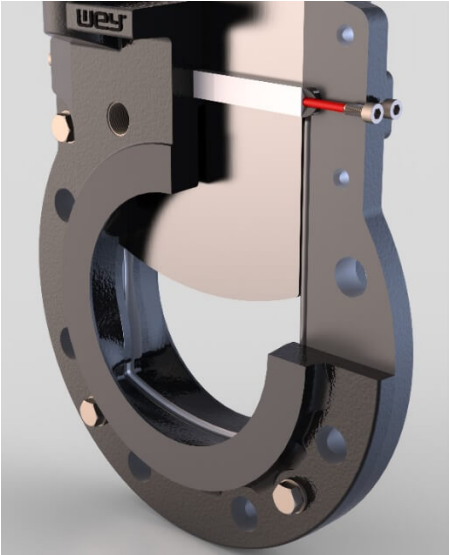
Face to face dimension



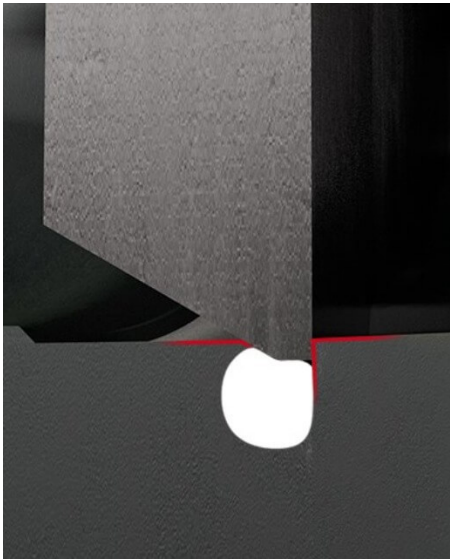
A completely round passage enables easy pipe cleaning with a pig.



Bronze scrapers clean the gate every time it is opened.



The transverse seal can be repacked at any time and under full pressure using the lateral packing screws.



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

APPLICATION AREAS

Water treatment

e.g. Seawater, Saltwater ...



Case Study – Thermal lake water system Lausanne

Knife gate valves in full bore design for Switzerland's largest lake water heat pump

PDF

MATERIAL OF CONSTRUCTION

Part	Ductile iron	Stainless steel
Body	EN-GJS-400-15	1.4408
Gate	1.4301	1.4404*
Seal	NBR	NBR
Topwork	Carbon steel	Carbon steel
Stem / Piston rod	1.4104	1.4104

Other materials upon request

*hard chromed

CORROSION PROTECTION

Body	2 Comp. Epoxy-Zinc dust Primer, 2 Comp. Epoxy-Resin iron mica intermediate coat, 2 Comp. Polyurethane-Enamel-Top Coat
Topwork	2 Comp. Epoxy-Zinc dust Primer, 2 Comp. Epoxy-Resin iron mica intermediate coat, 2 Comp. Polyurethane-Enamel-Top Coat

ACTUATORS



Handwheel



Bevel gear



Pneumatic cylinder



Hydraulic cylinder



Electric actuator

DOWNLOADS

General documents

Product brochure knife gate valves	PDF	
Instruction Manual	PDF	
Maintenance manual	PDF	
Actuators and Accessories	PDF	
Material options	PDF	
Seal arrangement	PDF	
Lubricants	PDF	

Data sheets

FB with handwheel	2.60.250100 PDF	
FB with bevel gear up to 4 bar	2.60.250201 PDF	
FB with bevel gear up to 10 bar	2.60.250200 PDF	
FB with electric actuator up to 4 bar	2.60.250901 PDF	
FB with electric actuator up to 10 bar	2.60.250900 PDF	

CAD files

On request

**CONTACT US FOR YOUR
TAILOR-MADE SOLUTION.**



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