



KNIFE GATE VALVES

DB SERIES



WEY DESIGN
ORIGINAL

DB SERIES

The “double block and bleed” knife gate valve was specially developed for applications using hazardous media. The DB model is a single valve with two seat areas. In the closed position, these provide a seal against pressure from both ends of the valve, and there are purge ports to flush the cavity between the seat areas. The DB model thus makes complex and costly multiple valve systems redundant. In spite of these cost benefits, it offers zero leakage protection in difficult applications.



CHARACTERISTICS DB SERIES

3 – 30 inch

Nominal sizes

Stainless steel, Special material

Material

0 – 150 psi

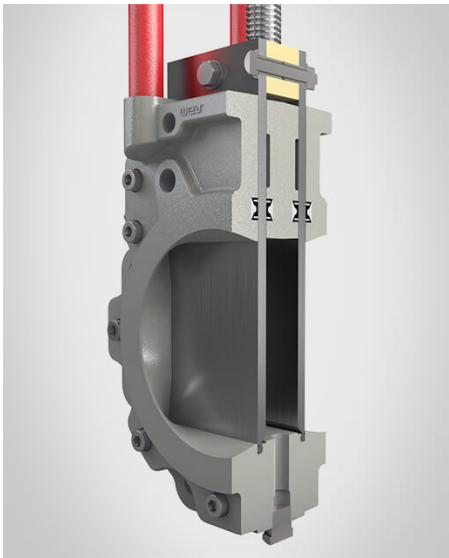
Pressure rating

ANSI Class 150

Flange drilling

Special length

Face to face dimension



Two gates provide additional security. The medium can be flushed out in the gap between them.



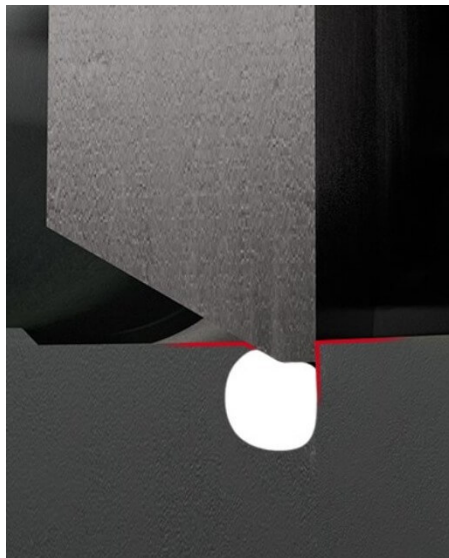
Robust 4-post topwork for maximum load and a wide variety of actuator types.



A unique transverse seal, consisting of a transverse seal profile and packing compound, makes the body bubble-tight towards the atmosphere.



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

Pulp and paper industry

e.g. Chemical solutions, bleaching agents ...

MATERIAL OF CONSTRUCTION

Part	Stainless steel
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Body	Edelstahl CF8M
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Gate	1.4404*
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Seal	Aflas
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Topwork	Carbon steel
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Stem / Piston rod	430F
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Other materials upon request

* hard chromed

CORROSION PROTECTION

Topwork	2 Comp. Epoxy-Polyamide Resin Primer, 2 Comp. Polyurethane-Enamel-Top Coat
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Screws	Stainless steel
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ACTUATORS



Handwheel



Bevel gear



Pneumatic cylinder








Hydraulic cylinder






Electric actuator

DOWNLOADS





General documents

Product brochure knife gate valves	PDF	
Instruction manual	PDF	
Seal arrangement	PDF	
Lubricants	PDF	
Declaration of conformity DGRL	PDF	

Data sheets


DB with handwheel	PDF	
DB with bevel gear	PDF	
DB with pneumatic cylinder	PDF	


CAD files

DB with handwheel 2D (DXF/DWG)	ZIP	
DB with handwheel 3D (STEP)	ZIP	
DB with bevel gear 2D (DXF/DWG)	ZIP	
DB with bevel gear 3D (STEP)	ZIP	

**CONTACT US FOR YOUR
INDIVIDUAL SOLUTION.**

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