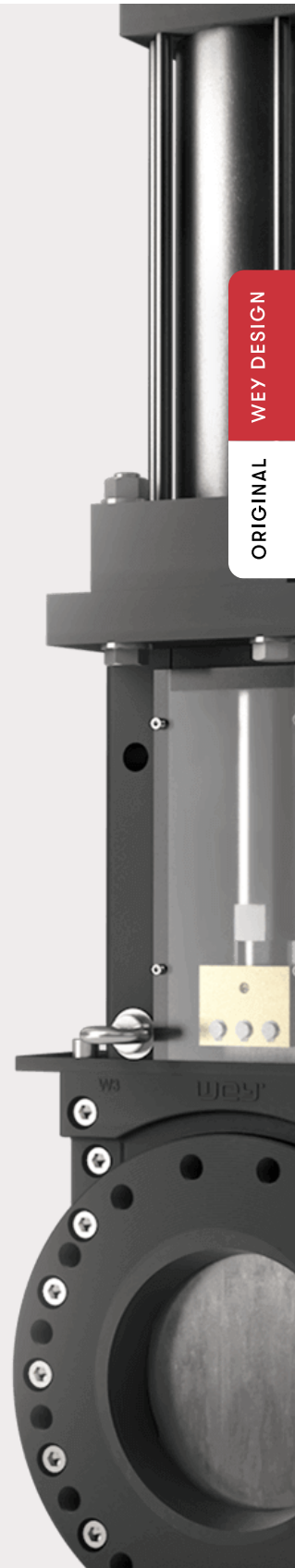




KNIFE GATE VALVES

W SERIES



W SERIES

Whether an application is referred to as “severe service”, “high performance”, or “heavy duty”, we have overcome the corresponding challenges with our Wey design. We pushed it to the limit, and the result is the W series. It offers the greatest flexibility, including for the range of nominal sizes, materials, and pressures. It opens up an incredible scope of application. With the W series, we guarantee that we will outperform the competition, no matter what the situation.



50 – 1400 mm

Nominal sizes

Stainless steel, Carbon steel, Cast tin-bronze , Cast aluminum-bronze

Material

0 – 50 bar

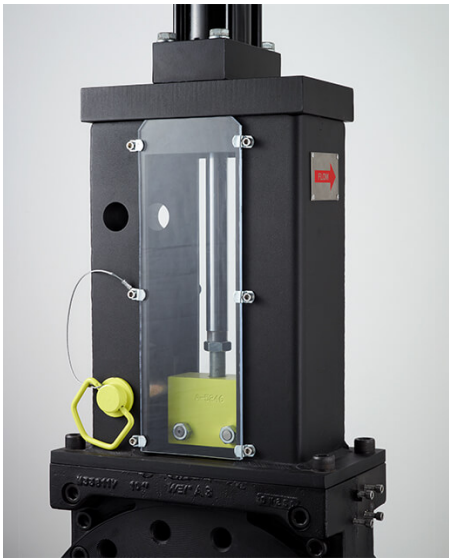
Pressure rating

ANSI Class 150, ANSI Class 300

Flange drilling

MSS-SP135 Class 150 short, MSS-SP135 Class 150 long, MSS-SP135 Class 300 short, MSS-SP135 Class 300 long

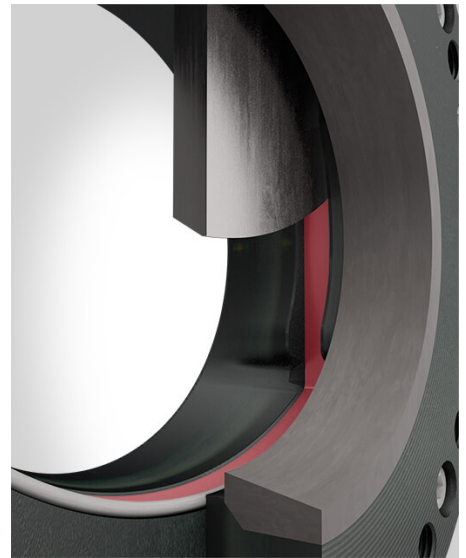
Face to face dimension



The robust universal bonnet can be used for a wide variety of actuator types. Many different add-on parts can be easily fitted.



Robust full flange body design for difficult conditions and maximum flexibility with regard to flange designs.



The gate is mechanically guided over the full stroke.



The flange threads make assembly considerably easier, while also allowing for dead-end installation.



The heavy-duty transverse seal is fitted with pressure-assisted scrapers, which clean the gate, protect the seal profile and thus ensure a longer service life.

APPLICATION AREAS

Mining

e.g. Mining slurry, Sinter water, Tailings, Process minerals, ...



Wey W3 with hydraulic cylinder in an oil sands mine in Canada.

MATERIAL OF CONSTRUCTION

| Part | | | |
|-------------------|------------------|-------------------|------------------|
| Body | Ni-Resist | Ductile Ni-Resist | Carbon Steel |
| Gate | 17.4 PH | 17.4 PH | 17.4 PH |
| Seal | GFLT | Aflas | GFLT |
| Topwork | Carbon Steel | Carbon Steel | Carbon Steel |
| Stem / Piston rod | 430 Chrome Steel | 17.4 PH Steel | 430 Chrome Steel |

Other materials upon request

CORROSION PROTECTION

| | |
|-----------|------------------------------------|
| Body | Ecoat |
| Topwork | Epoxy Powder Coat, Stainless steel |
| Schrauben | B4, Stainless, B7 |

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 |  |


Data sheets

| | | |
|----------------------------|-----|---|
| W0 with handwheel | PDF |  |
| W0 with bevel gear | PDF |  |
| W0 with pneumatic cylinder | PDF |  |
| W0 with hydraulic cylinder | PDF |  |
| W1 with handwheel | PDF |  |
| W1 with bevel gear | PDF |  |
| W1 with pneumatic cylinder | PDF |  |
| W1 with hydraulic cylinder | PDF |  |
| W2 with bevel gear | PDF |  |
| W2 with pneumatic cylinder | PDF |  |
| W2 with hydraulic cylinder | PDF |  |
| W3 with bevel gear | PDF |  |
| W3 with pneumatic cylinder | PDF |  |
| W3 with hydraulic cylinder | PDF |  |

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MADE SOLUTION.**

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