



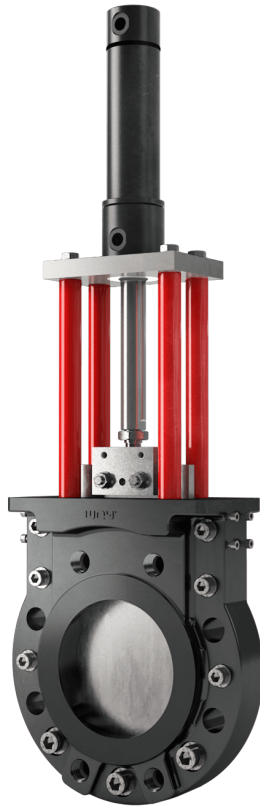
# KNIFE GATE VALVES

## MH SERIES



# MH SERIES

The MH series is designed for extremely high pressures in particularly demanding applications. The original Wey design ensures optimal sealing in the seat and is 100% bubble-tight, regardless of pressure, medium, or on/off cycle.



## CHARACTERISTICS MH SERIES

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# 100 – 400 mm

Nominal sizes

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# Stainless steel, Ductile iron, Special material

Material

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# 0 – 25 bar

Pressure rating

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# PN25, ANSI Class 150, ANSI Class 300

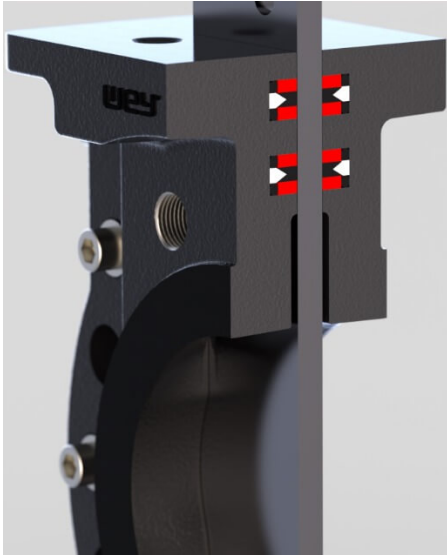
Flange drilling

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# EN 558 series 16

Face to face dimension

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Heavy-duty double transverse seal with two scrapers guarantees zero leakage to the atmosphere even under difficult conditions.



A mechanically retained round cord seal creates a bubble-tight shut off on the gate edge.



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



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



With its optimized gate geometry, accumulated media is pushed out of the gate guide and flushed out into the bore by the increased flow.



The gate is mechanically guided over the full stroke.

## **APPLICATION AREAS**

### **Mining**

e.g. Mining slurry, Sinter water, Tailings, , Acids and phosphates ...

### **Chemical and petrochemical industries**

e.g. Viscous pastes, Bitumen/tar ...

### **Infrastructure**

e.g. Waste water ...

### **Coal fired power stations**

e.g. Coal slurry ...

### **Pulp and paper industry**

e.g. Pulp Stock (Low to high density), Liquor (black, white, green), Chemical solutions, bleaching agents ...

### **Waste water treatment plants**

e.g. Raw water, Sludge, Digested sludge ...

## MATERIAL OF CONSTRUCTION

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

## ACTUATORS



**Handwheel**

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**Bevel gear**

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**Pneumatic cylinder**

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**Hydraulic cylinder**

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**Electric actuator**

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## DOWNLOADS

### General documents

Product brochure knife gate valves	PDF	<a href="#">↓</a>
Instruction Manual	PDF	<a href="#">↓</a>
Actuators and Accessories	PDF	<a href="#">↓</a>
Material options	PDF	<a href="#">↓</a>
Seal arrangement	PDF	<a href="#">↓</a>
Lubricants	PDF	<a href="#">↓</a>
Declaration of conformity DGRL	PDF	<a href="#">↓</a>
Declaration of incorporation ECMD	PDF	<a href="#">↓</a>



## Data sheets

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MH with bevel gear	PDF	<a href="#">↓</a>
MH with pneumatic cylinder	PDF	<a href="#">↓</a>
MH with electric actuator	PDF	<a href="#">↓</a>
MH with hydraulic cylinder	PDF	<a href="#">↓</a>

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## CAD files

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MH with bevel gear 2D (DXF/DWG)	ZIP	<a href="#">↓</a>
MH with bevel gear 3D (STEP)	ZIP	<a href="#">↓</a>
MH with pneumatic cylinder 2D (DXF/DWG)	ZIP	<a href="#">↓</a>
MH with pneumatic cylinder 3D (STEP)	ZIP	<a href="#">↓</a>
MH with electric actuator 2D (DXF/DWG)	ZIP	<a href="#">↓</a>
MH with electric actuator 3D (STEP)	ZIP	<a href="#">↓</a>
MH with hydraulic cylinder 2D (DXF/DWG)	ZIP	<a href="#">↓</a>
MH with hydraulic cylinder 3D (STEP)	ZIP	<a href="#">↓</a>

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