

wey®



Knife Gate Valves

Product Presentation

March 23

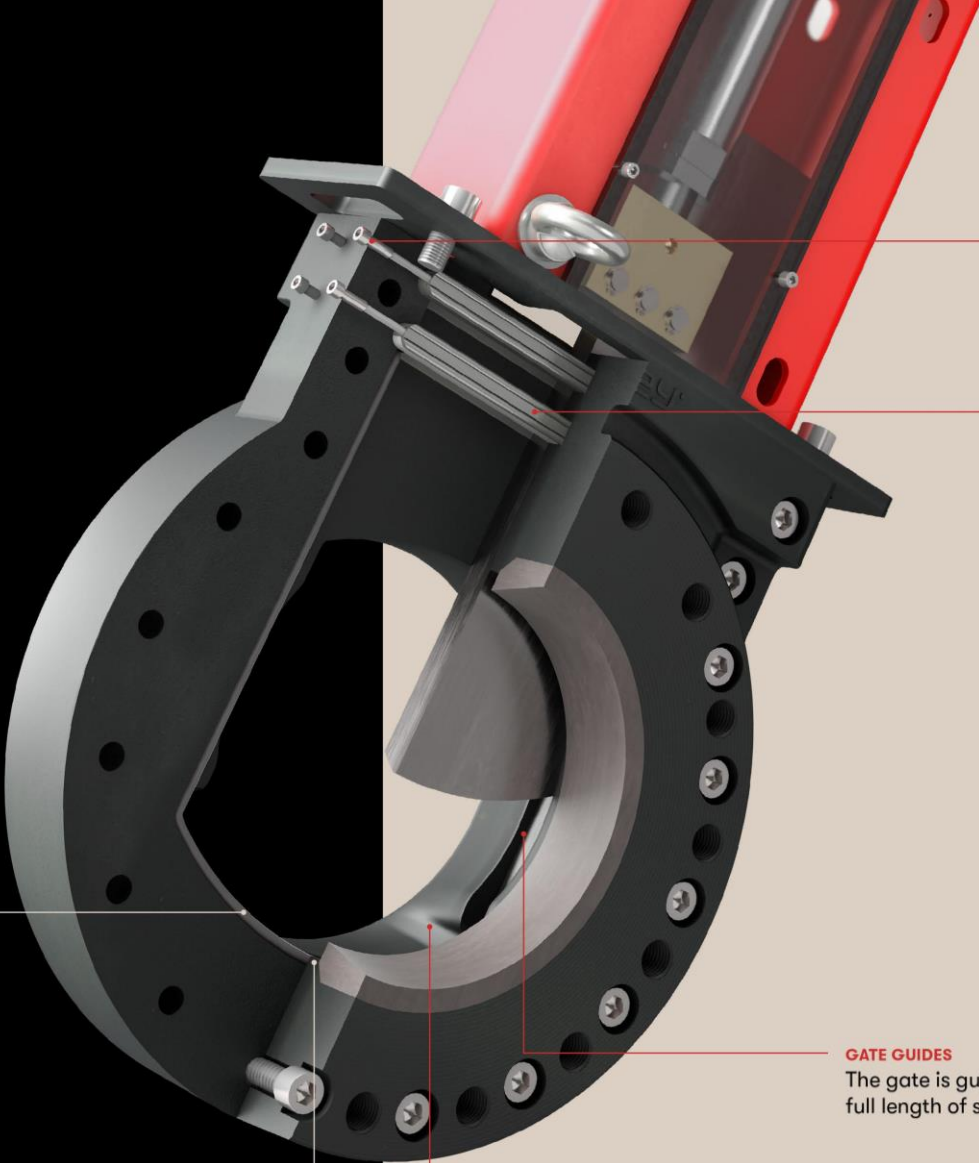
Our Definition of Performance

Isolation valves are our expertise. Our experience in engineering, our own production facilities and our excellent manufacturing expertise and know-how in various areas of application make us reliable partners for customers all over the world. Even under the most severe conditions, Wey valves remain fully functional and bubble-tight over long service lives. We define performance as the highest level of quality, which stands the test of time.



THE ORIGINAL SINCE 1956

Wey knife gate valves are equipped with the “Original Wey Design”, our unique sealing system. We’ve continuously developed and perfected this innovation, which had a patent registered in 1956. That’s why our sealing system is still the market leader today. Wey knife gate valves can handle a variety of differential pressure scenarios and abrasive and corrosive materials, not to mention extreme temperatures. You can rely on them even under the most demanding conditions. At all times and for a long time.



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

TRANSVERSE SEAL
A unique transverse seal, consisting of a transverse seal profile and sealing compound, ensure that the body is sealed against the atmosphere. The transverse seal design features pressure-supporting scrapers that clean the knife gate, protect the seal profile and thus ensure a longer service life.

ROUND CORD
A mechanically retained round cord seal guarantees zero leakage along the gate edge.

GATE GUIDES
The gate is guided over the full length of stroke.

SELF-CLEANING
The optimized gate geometry means solid deposits are pushed out of the knife gate guides and flushed out in the flushing corners in the body by the flow.

METAL SEAT SUPPORT
The gate is also supported by metal in the closed end position.

THE
TRUSTED
ORIGINAL
SINCE

1956



Take a closer look at the
ORIGINAL WEY DESIGN
on our Website

<https://www.veyvalve.com/en-ch/original-wey-design>

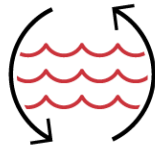
We meet the highest standards – wherever you use our valves



Renewable
Energy



Mining



Water
Treatment



Pulp and Paper
Industry



Infrastructure



Power
Generation



Food and
Beverage
Industry



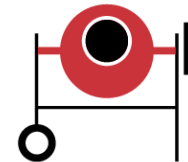
Oil and Gas
Production



Chemical and
Petrochemical
Industry



Flood Protection



Cement
Industry

Product Range

Semi Lug Knife Gate Valves

VN ^{SERIES} 	VS ^{SERIES} 	VG ^{SERIES} 
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Middle Flange Knife Gate Valves

MF ^{SERIES} 	MG ^{SERIES} 	MH ^{SERIES} 
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Full Flange Knife Gate Valves

W0 ^{SERIES} 	W1 ^{SERIES} 	W2 ^{SERIES} 
W3 ^{SERIES} 	HD ^{SERIES} 	

Full Lug Knife Gate Valves

VL ^{SERIES} 	VM ^{SERIES} 
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Special Knife Gate Valves

VK ^{SERIES} 	DB ^{SERIES} 	DP ^{SERIES} 
SG ^{SERIES} 	HSI ^{SERIES} 	TI3 ^{SERIES} 

Designs

Stainless steel, Cast iron, Ductile iron, Cast steel, Special materials

Body materials

10 mbar abs. – 100 bar

Pressure rating

DN 50 – DN 2000

Nominal size range

Knife gate valve, O-Port gate valve

Design

Semi-lug, Lug type, Double flange, Full flange

Body style

EN1092 PN6, PN10, PN16, PN25, PN40, PN63, PN100

ANSI Class 150, 300, 600

BS10-D, BS10-E, AS2129-D, AS2129-E

Special flange

Flange drilling

EN 558 Series 16 / 20

MSS-SP81

**MSS-SP135 Class 150 short /
long**

**MSS-SP135 Class 300 short /
long**

Special face to face dimension

Face to face dimension



Handwheel



Manual lever



Bevel gear



Pneumatic



Hydraulic



Electrical

Actuators

VN Series

The VN series combines all the properties of a knife gate valve in an inexpensive semi-lug flange design, in order to meet the most common market requirements. With this series, we guarantee the greatest possible functional and operational safety, in an easy-to-maintain, optimized design. We guarantee a 100 % bidirectional bubble-tight shut off over the entire pressure range. For many applications this results in a balanced cost-benefit ratio in terms of investment and maintenance.



VN Series

50 – 1400 mm

Nominal sizes

Stainless steel, Cast iron, Special material

Material

0 – 10 bar

Pressure rating

PN10, BS10-D, BS10-E, AS2129-D, AS2129-E

Flange drilling

EN 558 series 20

Face to face dimension



Detailed information on our website

<https://www.veyvalve.com/en-ch/products/knife-gate-valves/vn>

VS Series

The appeal of the VS series lies in its ingenious semi-lug design. The lightweight construction of this knife gate valve, which is available in stainless steel, makes it very cost-effective. Nonetheless, it gives our customers the highest level of reliability and durability in use. This is also because – like all Wey products – it can be repacked at any time and ensures zero leakage while in use.



VS Series

50 – 900 mm

Nominal sizes

Stainless steel, Special material

Material

0 – 10 bar

Pressure rating

ANSI Class 150

Flange drilling

MSS-SP81

Face to face dimension



Detailed information on our website

<https://www.veyvalve.com/en-ch/products/knife-gate-valves/vs>

VG Series

Wey VG knife gate valves are products with a special flange. They were specifically developed for biogas applications in agriculture, since standard DIN gate valves for industrial pipelines are not compatible. The VG is available exclusively in cast iron, and only in the nominal sizes DN 150 and DN 200.



VG Series

150 – 200 mm

Nominal sizes

Cast iron

Material

0 – 4 bar

Pressure rating

Special flange

Flange drilling

EN 558 series 20

Face to face dimension



Detailed information on our website

<https://www.veyvalve.com/en-ch/products/knife-gate-valves/vg>

MF Series

The MF is a universally applicable knife gate valve with a central flange design that will just about satisfy the customer's every need. As well as featuring the integrated Wey sealing system, the robust, modular design of the series is particularly advantageous. Choose from a variety of materials, add-on parts, and actuator options across the entire nominal size range. A true all-rounder.



MF Series

50 – 2000 mm

Nominal sizes

Cast iron, 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

Detailed information on our website

<https://www.veyvalve.com/en-ch/products/knife-gate-valves/mf>



MG Series

Knife gate valves with an EN 558/ISO 5752 20 series face to face often quickly reach their pressure limit values of 10 bar – but not our MG series. For the same face to face, it is generally designed for pressures of up to 16 bar. Of course, we retained the many design features that have always set the Wey knife gate valve apart from the competition.



MG Series

50 – 600 mm

Nominal sizes

Stainless steel, Ductile iron, Special material

Material

0 – 16 bar

Pressure rating

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

Flange drilling

EN 558 series 20

Face to face dimension

Detailed information on our website

<https://www.veyvalve.com/en-ch/products/knife-gate-valves/mg>



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.



MH Series

100 – 400 mm

Nominal sizes

Stainless steel, Ductile iron, Special material

Material

0 – 25 bar

Pressure rating

PN25, ANSI Class 150, ANSI Class 300

Flange drilling

EN 558 series 16

Face to face dimension



Detailed information on our website

<https://www.veyvalve.com/en-ch/products/knife-gate-valves/mh>

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.



W Series

50 – 1200 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

Detailed information on our website

<https://www.veyvalve.com/en-ch/products/knife-gate-valves/w>



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.



HD Series

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



Detailed information on our website

<https://www.veyvalve.com/en-ch/products/knife-gate-valves/hd>

VL Series

With the optimized lug design of our VL Series, we give you the best of both worlds. It unites cost-saving design and the highest possible performance. Made of stainless steel as standard, it is often used in corrosive applications and, thanks to its 100% bidirectional bubble-tight shut off, offers the best possible customer confidence and satisfaction.



VL Series

50 – 900 mm

Nominal sizes

Stainless steel, Special material

Material

0 – 10 bar

Pressure rating

ANSI Class 150

Flange drilling

MSS-SP81

Face to face dimension



Detailed information on our website

<https://www.veyvalve.com/en-ch/products/knife-gate-valves/vl>

VM Series

The VM knife gate valve is manufactured according to high quality standards, combining a robust design with proven technical features not found in conventional knife gate valves. Thanks to the original, integrated Wey design, it guarantees the best-possible performance and, of course, absolute zero leakage in demanding applications.



VM Series

50 – 650 mm

Nominal sizes

Ductile iron

Material

0 – 10 bar

Pressure rating

ANSI Class 150

Flange drilling

MSS-SP81

Face to face dimension



Detailed information on our website

<https://www.veyvalve.com/en-ch/products/knife-gate-valves/vm>

VK Series

Thanks to its square shape, the VK knife gate valve increases the range of possible ways you can use the round Wey knife gate valve, with its well-known advantages. This is the best solution for achieving absolute zero leakage shut off, even when using rectangular or square flange connections.



VK Series

200 - 1000 mm

Nominal sizes

Stainless steel, Cast iron, Special material

Material

0 – 2.5 bar

Pressure rating

Special flange

Flange drilling

Special length

Face to face dimension



Detailed information on our website

<https://www.veyvalve.com/en-ch/products/knife-gate-valves/vk>

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 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.



DB Series

80 – 750 mm

Nominal sizes

Stainless steel, Special material

Material

0 – 10 bar

Pressure rating

ANSI Class 150

Flange drilling

Special length

Face to face dimension



Detailed information on our website

<https://www.veyvalve.com/en-ch/products/knife-gate-valves/db>

DP Series

With its special O-Port gate design, the DP model is suitable for the most difficult applications involving solids. Due to its unique design, it can easily cut through a medium column holding solids. The integrated transverse seal sets the DP model apart from conventional O-Port gate valves, guaranteeing maximum performance and zero leakage.



DP Series

50 – 400 mm

Nominal sizes

**Stainless steel, Cast iron, Ductile iron, Cast steel,
Special material**

Material

0 – 25 bar

Pressure rating

PN10, PN16, PN25, ANSI Class 150

Flange drilling

EN 558 series 20, Special length

Face to face dimension

Detailed information on our website

<https://www.veyvalve.com/en-ch/products/knife-gate-valves/dp>



SG Series

With its special O-Port design, the SG model is suitable for the most difficult applications involving solids. Due to its unique design, it can easily cut through a medium column holding solids. The integrated transverse seal sets the SG model apart from conventional O-Port gate valves, guaranteeing maximum tightness and performance.



SG Series

50 – 650 mm

Nominal sizes

Cast steel, Special material

Material

0 – 10 bar

Pressure rating

ANSI Class 150

Flange drilling

MSS-SP81

Face to face dimension



Detailed information on our website

<https://www.veyvalve.com/en-ch/products/knife-gate-valves/sg>

HSI Series

The HSI knife gate valve was specially developed for use in pipelines at risk of dust explosions, to prevent explosions from spreading beyond the valve installation point. With a closing time of 23 milliseconds, it makes a significant contribution to protecting human life at work, as well as systems with explosive gas and dust mixtures.



HSI Series

65 – 400 mm

Nominal sizes

Stainless steel

Material

0 – 16 bar

Pressure rating

PN16, ANSI Class 150, DIN 11864-2

Flange drilling

Special length

Face to face dimension



Detailed information on our website

<https://www.veyvalve.com/en-ch/products/knife-gate-valves/hsi>

TI3 Series

The TI3 model really is a unique design. It is designed for shut-off isolation of differential pressure level sensing. Unlike other transmitter isolating valves, which are only adapted from standard knife gate valves, the TI3 model was developed for the sole purpose of isolating the transmitter. The TI3 uses standard 1/2" socket drive.



Tl3 Series

80 mm

Nominal sizes

Stainless steel

Material

0 – 10 bar

Pressure rating

ANSI Class 150

Flange drilling

MSS-SP81

Face to face dimension



Detailed information on our website

<https://www.veyvalve.com/en-ch/products/knife-gate-valves/ti3>

Custom-made Solutions

Accepting every challenge

We take on problems and develop tailor-made knife gate valves that exactly meet your needs.





**Contact us to
discuss your
individual
application.**

**We show
solutions that
work.**

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