



KNIFE GATE VALVES

VM SERIES



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.



CHARACTERISTICS VM SERIES

50 – 600 mm

Nominal sizes

Ductile iron

Material

0 – 10 bar

Pressure rating

ANSI Class 150

Flange drilling

MSS-SP81

Face to face dimension



The robust metal yoke enables the optimal, simple assembly of mechanical or inductive limit switches. The yoke can be removed from one side. This makes it easier to access the mechanical parts.



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



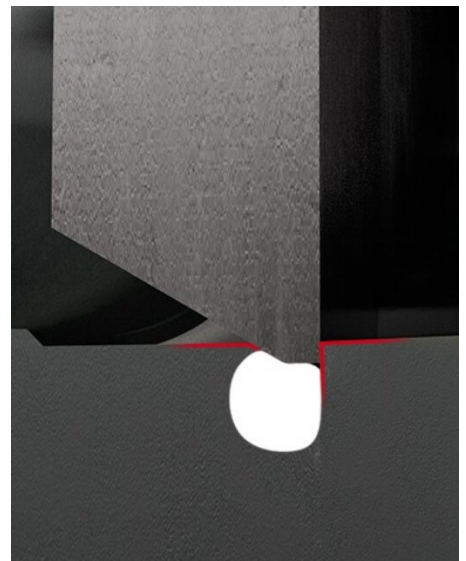
A unique transverse seal, consisting of a transverse seal profile and packing compound, makes the body bubble-tight towards the atmosphere.



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



The gate is mechanically guided over the full stroke.



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

APPLICATION AREAS

Biogas plants

e.g. Food waste, Household waste, Wood chips, Manure, Substrates, Other renewable resources ...

Mining

e.g. Coal dust, Mining slurry, Sinter water, Tailings, Lime powder ...

Chemical and petrochemical industries

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

Infrastructure

e.g. Waste water, Rainwater, Industrial water, Mixed water ...

Coal fired power stations

e.g. Coal dust, Coal slurry, Lime powder, Flue ash ...

Pulp and paper industry

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

Waste water treatment plants

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

Water treatment

e.g. Seawater ...

Cement industry

e.g. Cement, Lime powder ...



Wey VM bevel gear operated in a wastewater treatment plant in Ohio, USA.

MATERIAL OF CONSTRUCTION

Part	Ductile iron
Body	Ductile iron
Gate	304 Stainless steel
Seal	BUNA-N
Topwork	Kohlenstoffstahl
Stem / Piston rod	430F

Other materials upon request

CORROSION PROTECTION

Body	EKB Pulverbeschichtung
Topwork	EKB Pulverbeschichtung
Screws	Stainless steel

ACTUATORS



Handwheel



Bevel gear



Pneumatic cylinder



Hydraulic cylinder



Electric actuator

DOWNLOADS

General documents

Product brochure knife gate valves	PDF	↓
Instruction manual	PDF	↓
Material options	PDF	↓
Seal arrangement	PDF	↓
Declaration of conformity DGRL	PDF	↓
Declaration of incorporation ECMD	PDF	↓

Data sheets

VM with handwheel	PDF	↓
VM with bevel gear	PDF	↓
VM with pneumatic cylinder	PDF	↓

CAD files

VM with handwheel 3D (STEP)	ZIP	↓
VM with pneumatic cylinder 3D (STEP)	ZIP	↓

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MADE SOLUTION.**