



# KNIFE GATE VALVES VS SERIES



# 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.



## CHARACTERISTICS VS SERIES

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# 50 – 900 mm

Nominal sizes

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# Stainless steel, Special material

Material

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# 0 – 10 bar

Pressure rating

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# ANSI Class 150

Flange drilling

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# MSS-SP81

Face to face dimension

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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.



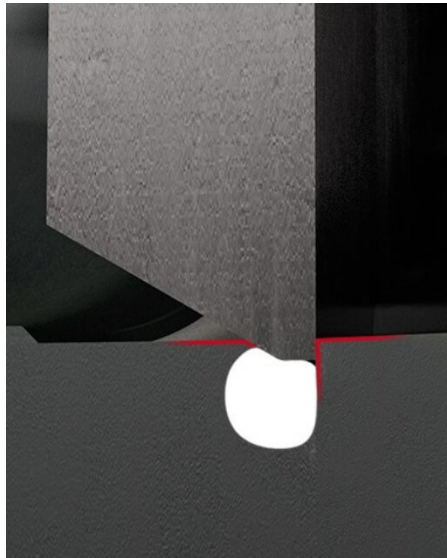
A unique transverse seal, consisting of a transverse seal profile and packing compound, makes the body bubble-tight towards the atmosphere.



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



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



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 ...

### **Chemical and petrochemical industries**

e.g. Viscous pastes, Granulates, Chemically contaminated waste water, Bitumen/tar ...

### **Infrastructure**

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

### **Food and beverage**

e.g. Syrups, juices and beverages, Cereal, vegetable, mash, etc., Processed fruits, Cheese powder, Cocoa beans ...

### **Pulp and paper industry**

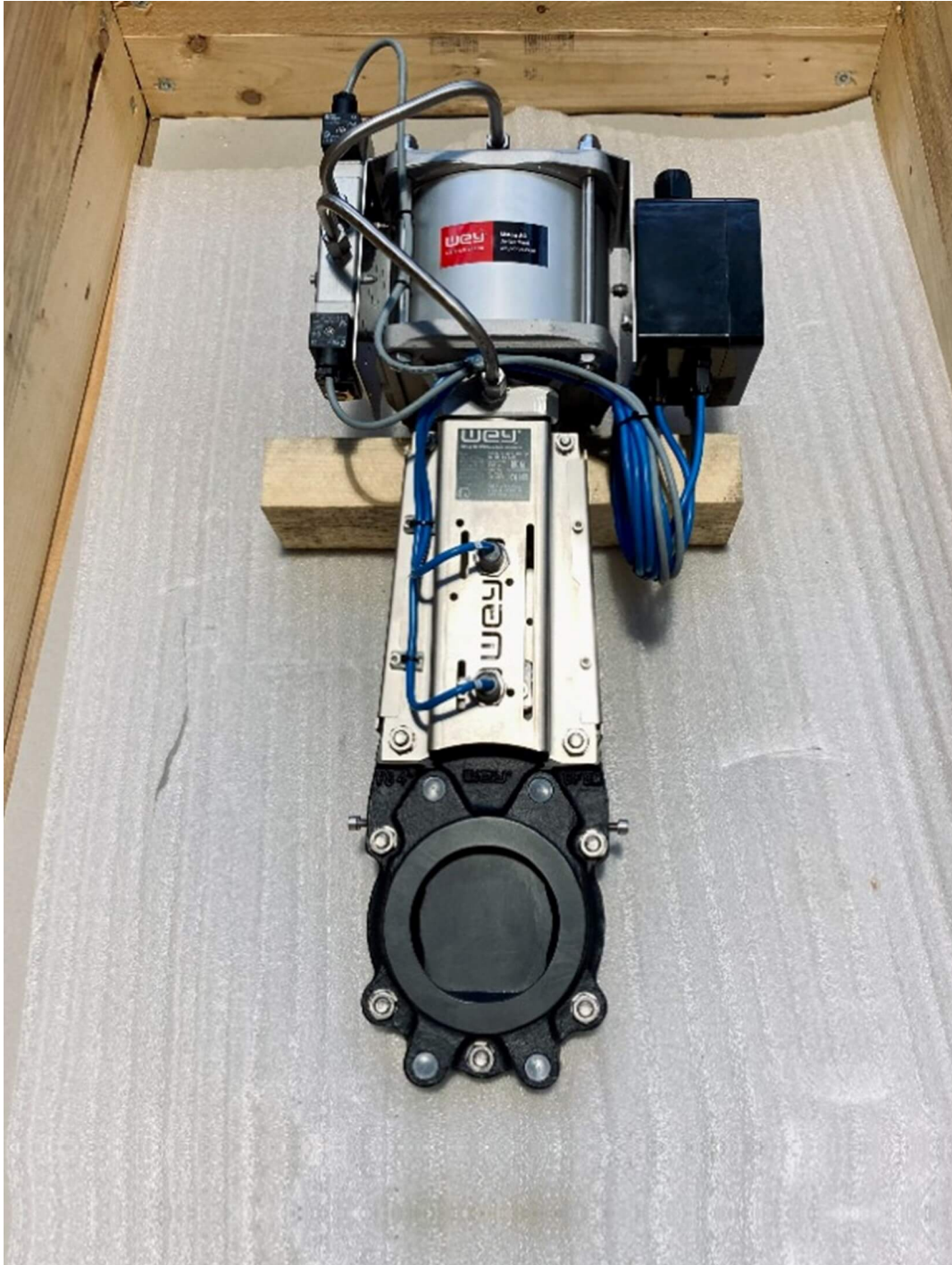
e.g. Pulp Stock (Low to high density), Liquor (black, white, green), Chemical solutions, bleaching agents, Recycling tissue ...

### **Waste water treatment plants**

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

### **Water treatment**

e.g. Seawater, Saltwater ...



Wey VS in a customized version with PTFE coating, stainless steel pipework, solenoid valve and proximity switches.

## MATERIAL OF CONSTRUCTION

Part	Stainless steel
Body	316 Stainless steel
Gate	316 Stainless steel
Seal	Aflas
Topwork	Carbon steel
Stem / Piston rod	430F

Other materials upon request

## CORROSION PROTECTION

Body	EKB powder coat
Topwork	EKB powder coat
Screws	Stainless steel



## ACTUATORS



**Handwheel**

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**Manual lever**

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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>
Seal arrangement	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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VS with handwheel	PDF	<a href="#">↓</a>
VS with bevel gear	PDF	<a href="#">↓</a>
VS with pneumatic cylinder	PDF	<a href="#">↓</a>

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## CAD files

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VS with handwheel 3D (STEP)	ZIP	<a href="#">↓</a>
VS with manual lever 3D (STEP)	ZIP	<a href="#">↓</a>
VS with pneumatic cylinder 3D (STEP)	ZIP	<a href="#">↓</a>
VS with electric actuator 3D (STEP)	ZIP	<a href="#">↓</a>
VS with hydraulic cylinder 3D (STEP)	ZIP	<a href="#">↓</a>

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