



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

50 – 900 mm

Nominal sizes

Stainless steel, Special material

Material

0 – 10 bar

Pressure rating

ANSI Class 150

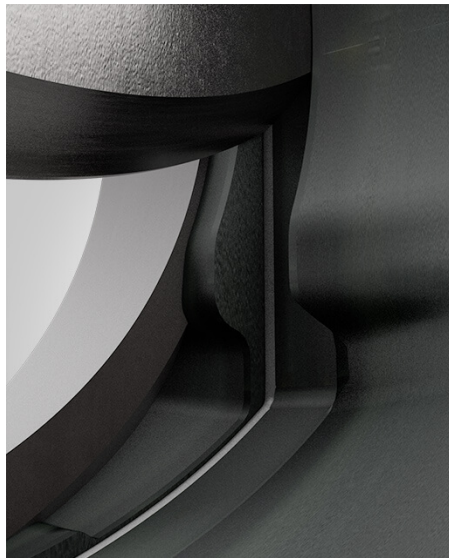
Flange drilling

MSS-SP81

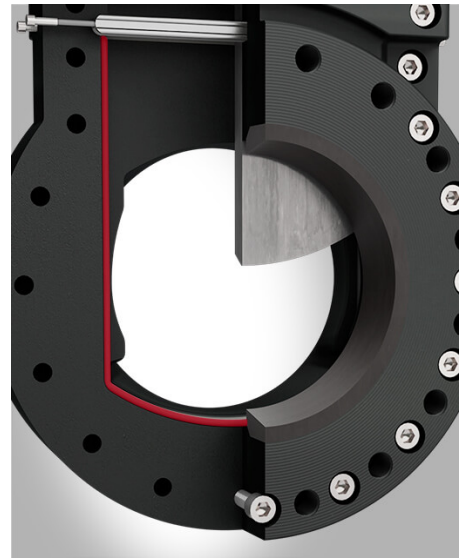
Face to face dimension



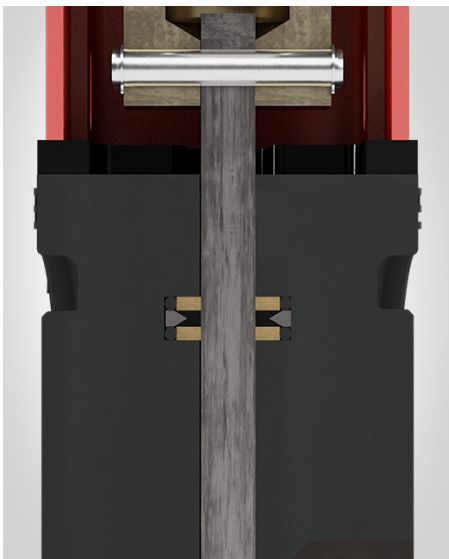
The robust metal yoke enables the optimal, simple assembly of mechanical or inductive limit switches. The yoke can be removed from one side. This makes it easier to access the mechanical parts.



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



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.

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 ...

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



Manual lever



Bevel gear



Pneumatic cylinder








Hydraulic cylinder






Electric actuator

DOWNLOADS






General documents

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

Data sheets


VS with handwheel	PDF	
VS with bevel gear	PDF	
VS with pneumatic cylinder	PDF	


CAD files

VS with handwheel 3D (STEP)	ZIP	
VS with manual lever 3D (STEP)	ZIP	
VS with pneumatic cylinder 3D (STEP)	ZIP	
VS with electric actuator 3D (STEP)	ZIP	
VS with hydraulic cylinder 3D (STEP)	ZIP	

**CONTACT US FOR YOUR TAILOR-
MADE SOLUTION.**

 [Contact](#)

 +41 41 449 99 44

 rfq@weyvalve.ch