



KNIFE GATE VALVES

VG SERIES



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.



CHARACTERISTICS 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



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 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.



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



The gate is mechanically guided over the full stroke.

APPLICATION AREAS

Biogas plants

e.g. Manure, Substrates ...

MATERIAL OF CONSTRUCTION

Part	Cast iron
Body	EN-GJL-250
Gate	1.4301
Seal	EPDM
Topwork	Carbon steel
Stem / Piston rod	1.4104

Other materials upon request

CORROSION PROTECTION

Body	EKB powder coat
Topwork	EKB powder coat

ACTUATORS



Handwheel








Manual lever



Pneumatic cylinder

DOWNLOADS

General documents

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

Data sheets

VG with handwheel	PDF	↓
VG with manual lever	PDF	↓
VG with pneumatic cylinder	PDF	↓

CAD files

VG with handwheel 2D (DXF/DWG)	ZIP	↓
VG with handwheel 3D (STEP)	ZIP	↓
VG with manual lever 2D (DXF/DWG)	ZIP	↓
VG with manual lever 3D (STEP)	ZIP	↓
VG with pneumatic cylinder 2D (DXF/DWG)	ZIP	↓
VG with pneumatic cylinder 3D (STEP)	ZIP	↓

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MADE SOLUTION.**