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.

CHARACTERISTICS VN SERIES

50 – 1400 mm

Nominal sizes

Stainless steel, Cast iron, Special material

Material

0 – 10 bar

Pressure rating

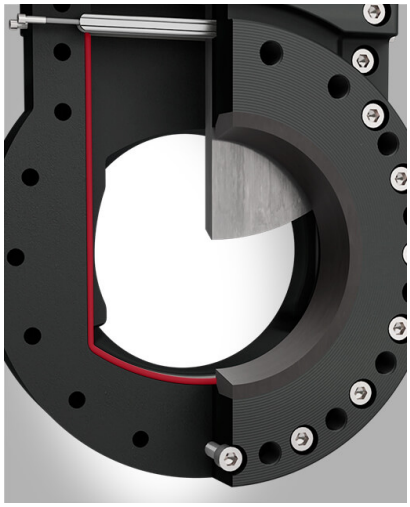
PN10, BS10-D, BS10-E, AS2129-D, AS2129-E

Flange drilling

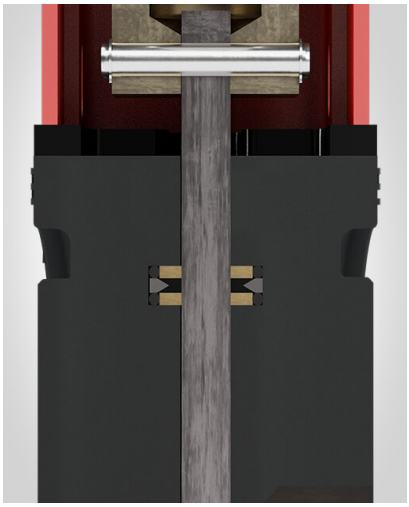
EN 558 series 20

Face to face dimension

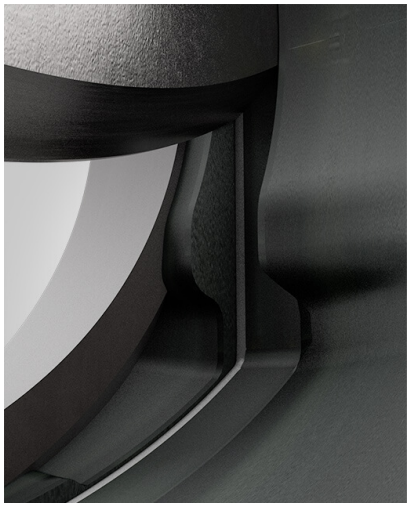
The robust metal yoke enables the optimal, simple assembly of mechanical or inductive limit switches. The yoke can be removed from one side. This makes it easier to access the mechanical parts.



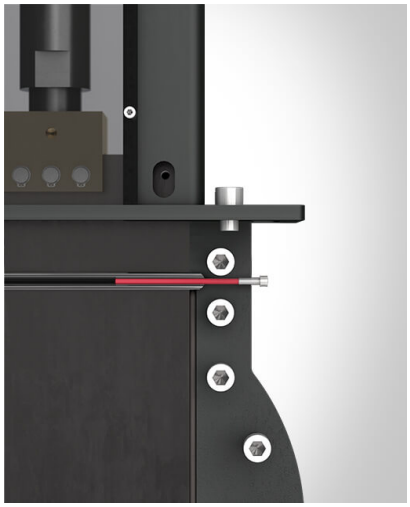
A mechanically retained round cord seal creates a bubble-tight shut off on the gate edge.



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



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



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

The add-on Weyotine cutter-pack can be used to cut long-fiber media, preventing jamming and blockages.

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, Acids and phosphates ...

Chemical and petrochemical industries
e.g. Viscous pastes, Granulates, Chemically contaminated waste water, Bitumen/tar ...

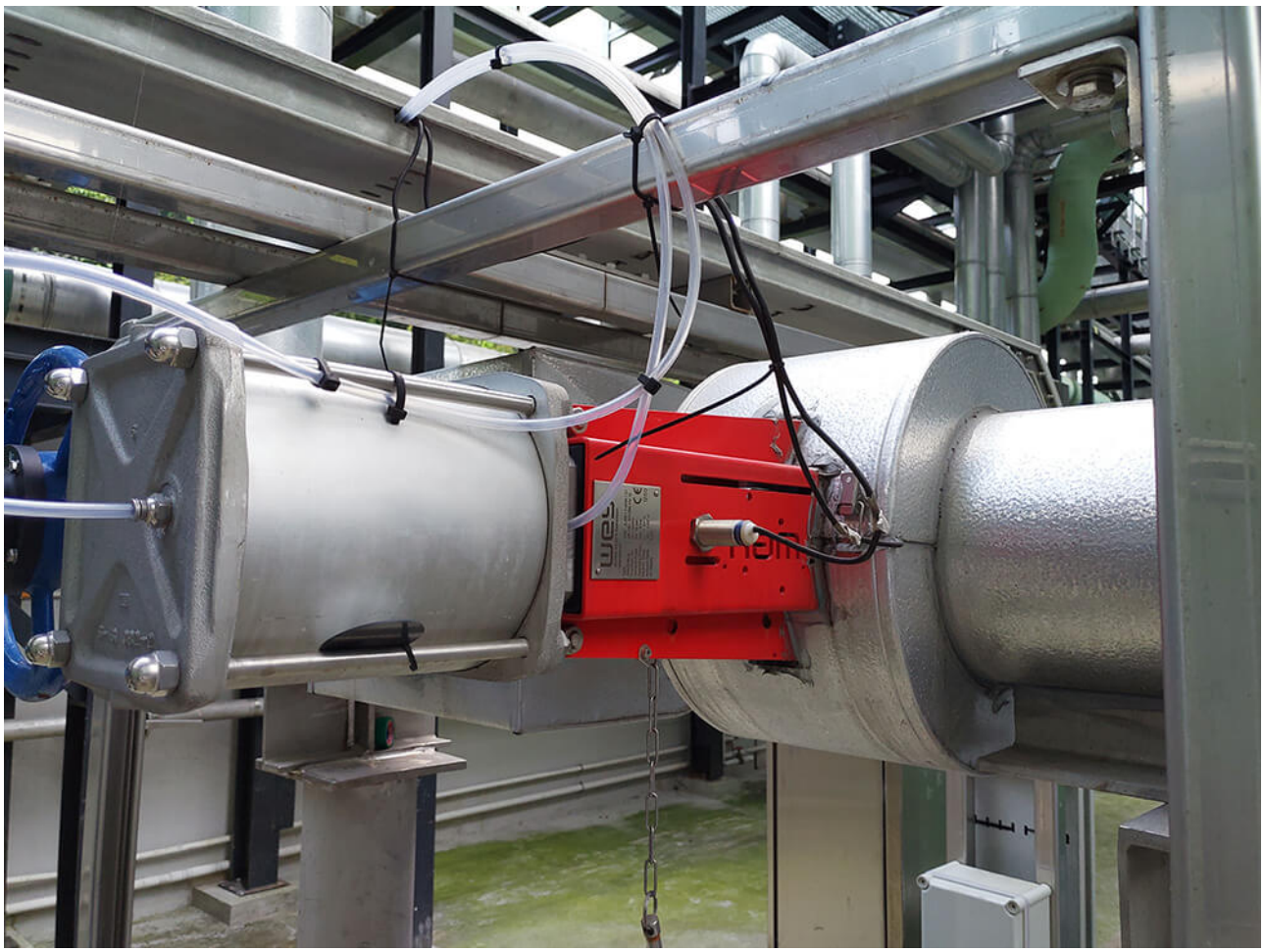
Infrastructure
e.g. Waste water, Rainwater, Industrial water, Mixed water ...

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 VNC DN 150 in an organic resources recovery centre in Hongkong.

MATERIAL OF CONSTRUCTION

Part	Cast iron	Stainless steel
Body	EN-GJL-250	1.4408
Gate	1.4301	1.4404*
Seal	NBR	NBR
Topwork	Carbon steel	Carbon steel
Stem / Piston rod	1.4104	1.4104

Other materials upon request
*hard chromed

CORROSION PROTECTION

Body	EKB powder coat
Topwork	EKB powder coat

ACTUATORS

Handwheel

Manual lever

Bevel gear

Pneumatic cylinder

Hydraulic cylinder

Electric actuator

CONTACT US FOR YOUR TAILOR-MADE SOLUTION.

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