MF SERIES

The MF is a universally applicable knife gate valve with a central flange design that will just about satisfy the customer's every need. As well as featuring the integrated Wey sealing system, the robust, modular design of the series is particularly advantageous. Choose from a variety of materials, add-on parts, and actuator options across the entire nominal size range. A true all-rounder.

CHARACTERISTICS MF SERIES

50 – 2000 mm

Nominal sizes

Cast iron, Ductile iron

Material

0 – 10 bar

Pressure rating

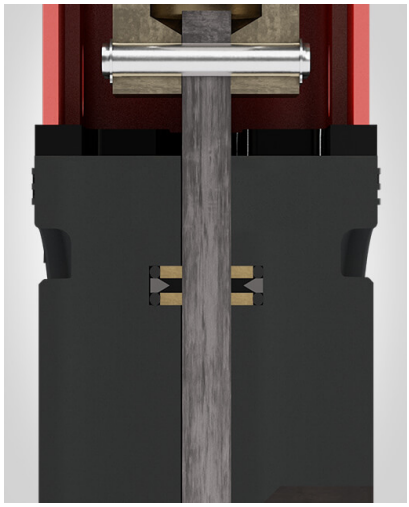
PN6, PN10, PN16, ANSI Class 150, BS10-D, BS10-E, AS2129-D, AS2129-E

Flange drilling

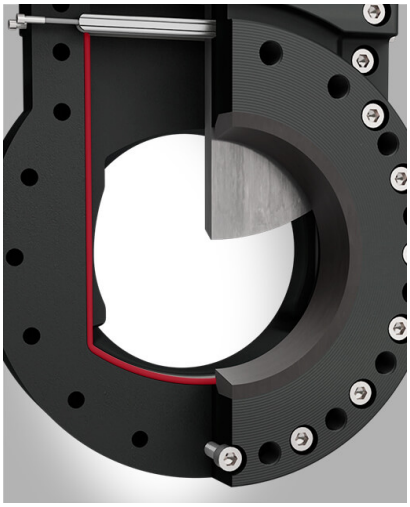
EN 558 series 20

Face to face dimension

All known pipe-cleaning methods (e.g., pigs, brush cylinders, etc.) can be used with the body bore, resulting in minimal pressure drops.

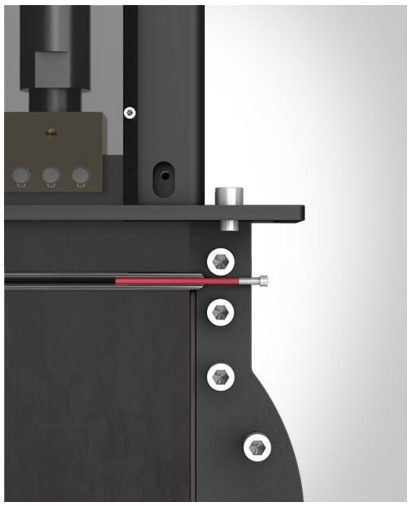


A unique transverse seal, consisting of a transverse seal profile and packing compound, makes the body bubble-tight towards the atmosphere.



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

Optimized chest design to minimize the build-up of solids due to gate geometry.



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

Robust 4-post topwork for maximum load and a wide variety of actuator types.

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 MFA and MFE DN 500 in a wastewater treatment plant in Switzerland.

MATERIAL OF CONSTRUCTION

Part	Cast iron	Stainless steel
Body	EN-GJS-400-15	EN-GJL-250
Gate	1.4301	1.4301
Seal	NBR	NBR
Topwork	Carbon steel	Carbon steel
Stem / Piston rod	1.4104	1.4104

Other materials upon request

CORROSION PROTECTION

Body	2 Comp. Epoxy-Polyamide Resin Primer, 2 Comp. Polyurethane-Enamel-Top Coat
Topwork	2 Comp. Epoxy-Polyamide Resin Primer, 2 Comp. Polyurethane-Enamel-Top Coat

ACTUATORS

Handwheel

Bevel gear

Pneumatic cylinder

Hydraulic cylinder

Electric actuator

CONTACT US FOR YOUR TAILOR-MADE SOLUTION.

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