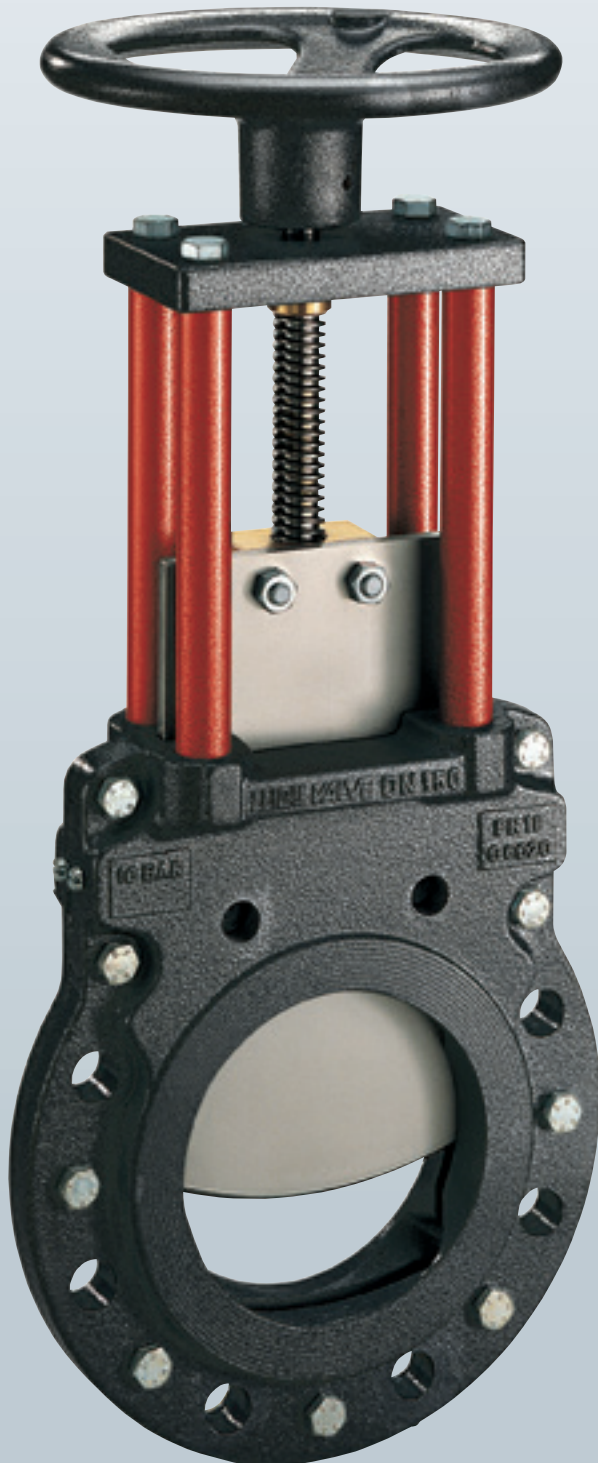


Wey Knife Gate Valve MF

2.2.00

PN 10/16



**The Wey wafer mono-flange Knife Gate Valve model MF –
a product based on decades of experience**



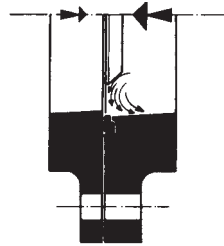
Wey Knife Gate Valve – features

Sealing system



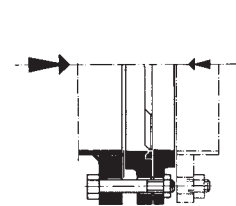
- The Wey Knife Gate valve is practically maintenance-free. The unique transverse seal permits repacking under full pressure and without valve disassembly
- Mechanically retained resilient seat along the gate sides
- Bi-directional bubble tight shut-off

Self-cleaning effect



- The self-cleaning effect is promoted by:
- grooved gate seat
 - large contoured aero-dynamic/hydrodynamic interior body design
 - special formed gate cutting edges
 - no seat pockets

End-of line valve



- The MF valve can be used as an end-of line valve in pipelines. No need for plant shut-down when pumps or vessels must be maintained.

User benefit

- exceptional high reliability of operation
- low maintenance resulting in reduced loss of production
- fully open bore passage which enables use of any type of pipe cleaning tools
- minimal pressure loss to save energy cost
- the full bore opening permits the use of all known pigging devices (e. g. spherical, cylindrical and brush pigs, etc.)

Service

Municipal

Raw Sewage, Sewer, Sludge, Waste Water with solids, etc.

Pulp and Paper

Paper stock thru all consistencies, Pulp/Water mixtures, Black Liquor, Waste Paper, Rags, Wood Pulp

Power Generation and Mining

Mill Scale, Coal Dust and Slurry, Mine Slurry, Lime Slurry, Cement Dust

Process

Viscous Paste, Colloids, Granulates, Chemical Sludge, Textiles Slurry, Pellets, Powders

Sugar

Beet and Cane Sugar, Syrup, Juice

Food and Beverage

Fruit Pulp, Grain Mash and Spent Grain Mash, Corn Slurry, Waste Water

Design details

Specifications

Size DN	Nominal pressure PN	Pressure test	Flange drilling	Face-to-face
50–300	10 bar	Test acc.	PN 10/16	EN 558
350–400	6 bar	EN 12266-1, rate A	EN 1092	ISO 5752
450–1600	4 bar		ISO 7005	part 20

Corrosion protection

Standard acc. SL 29125

Chemical degrease, epoxy - scale plating primer, polyurethane - top coat, RAL 9005/3020 black/red. Internal bolts stainless steel 304, cylinder tie rods chrome steel 430F

Other coatings on request

Temperature

–40°C to 400°C with adequate material- and construction adaption.

Materials

Item		Standard	Option	Accessories
Body	DN 50–400	Ductile Iron EN-GJS-400-15		V-port insert for throttling service
	DN 450–1600	Cast Iron EN-GJL-250		Wear ring for abrasive applications
Gate		304SS	316L	Heavy-duty transverse seals for special applications
Seal		NBR	FPM, EPDM, PTFE	Limit switches
4-Post topwork		Steel	316L	mechanical or inductive type
Stem		430F	316L	Solenoid valve

Actuator options

Handwheel

Wey Knife Gate Valve MFA



Pneumatic cylinder

Wey Knife Gate Valve MFC



Electric actuator

Wey Knife Gate Valve MFE



All actuator units are interchangeable without dismantling valve from pipe system



Large valve body milling
on horizontal twin table
machining center

Further products



Wey Sluice Gates



Wey Check Valves
(dirty water)



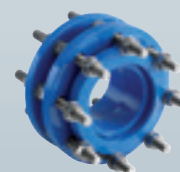
Wey Off-center
Butterfly Valves



Wey Check Valves
(clean water)



Centric Butterfly
Valves



Wey Dismantling
pieces

Your contact