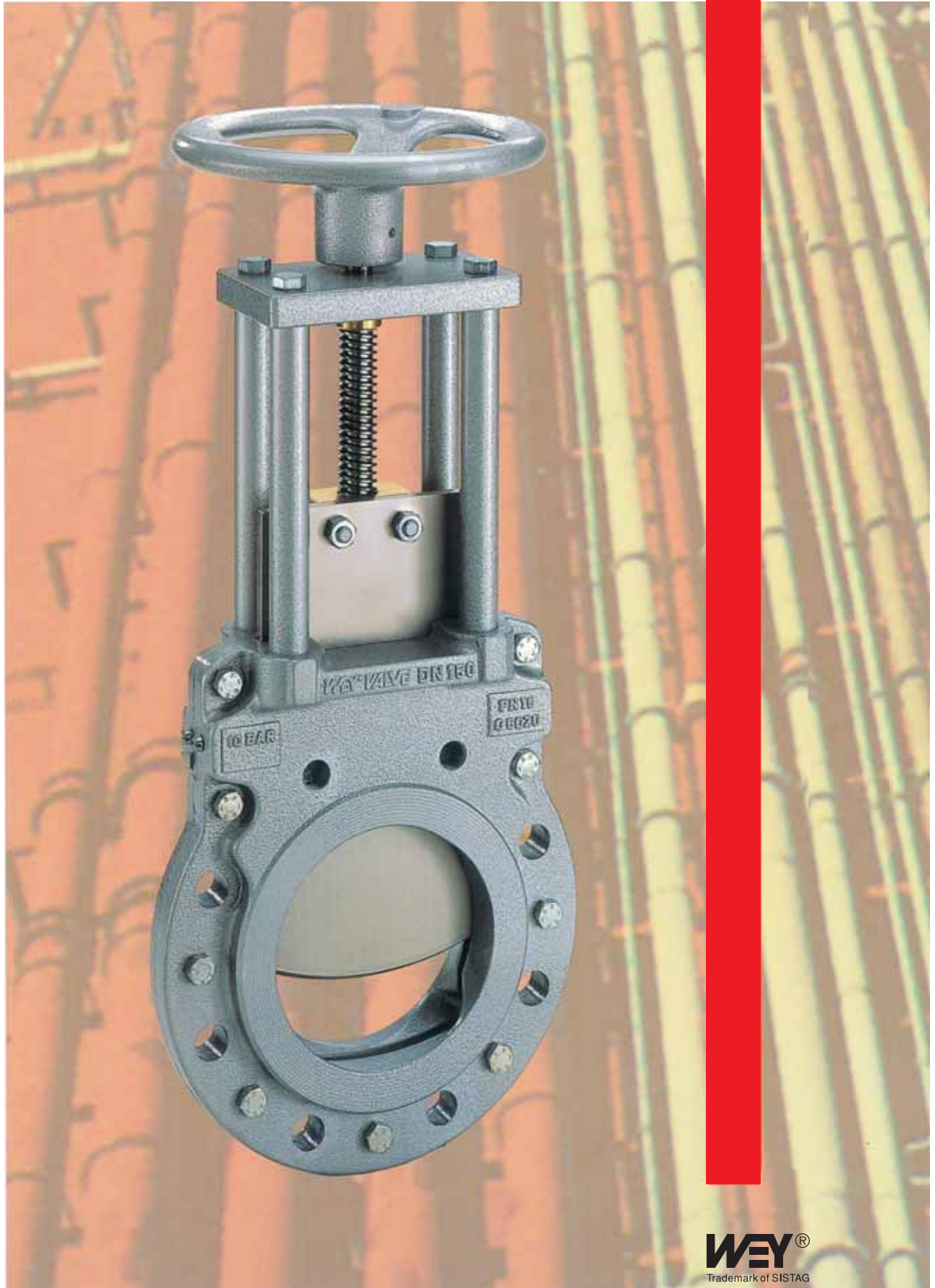
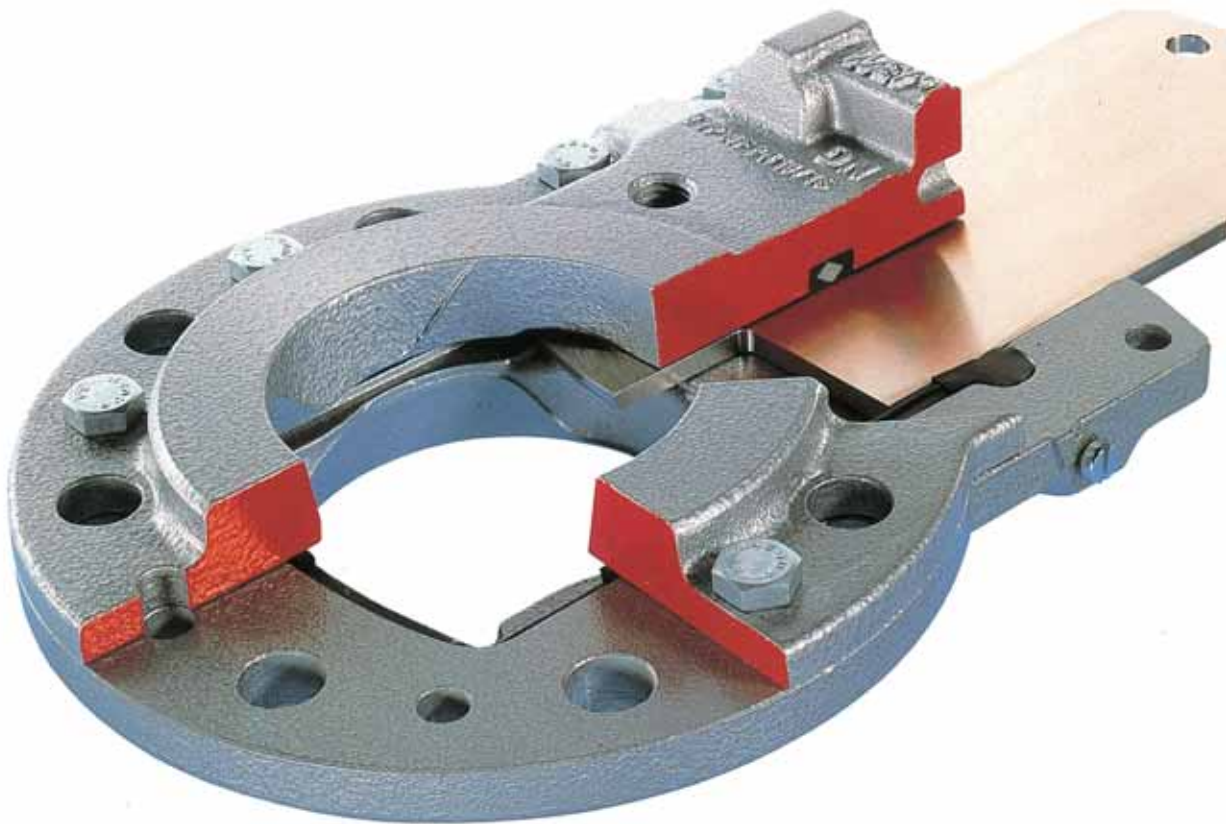


WEY® Knife Gate Valve Type MF

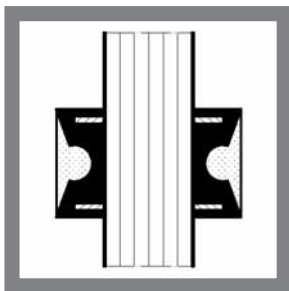
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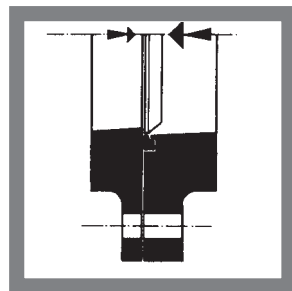


WEY® Knife Gate Valve – features

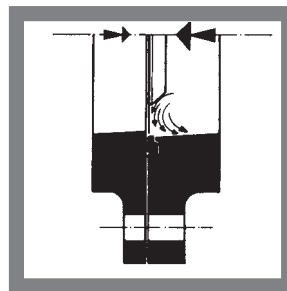
Sealing system



- 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

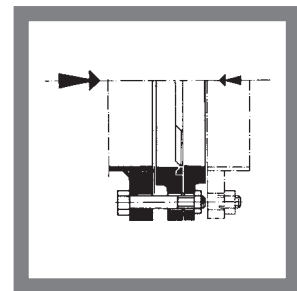


Self-cleaning effect



- The self-cleaning effect is promoted by:
- grooved gate seat
 - large contoured aerodynamic/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. EN-12266-1, rate A	PN10/16 EN 1092/ ISO 7005	EN 558-1/ ISO 5752 part 20
350– 400	6 bar			
450–1400	4 bar			

Materials

Item	Standard	Option	Accessories
Body DN 50–400	Ductile Iron EN-JS1030/1072		V-port insert for throttling service
DN 450–1400	Cast Iron EN-JL1040		
Gate Seal	304SS NBR	316L FPM, EPDM, PTFE	Wear ring for abrasive applications
4-Post topwork Stem	Steel 430F	316L 316L	Heavy-duty transverse seals for special applications Limit switches mechanical or inductive type Solenoid valve

Corrosion protection

Standard acc. SL 29125

Degreasing, 2comp. epoxy primer coat, 2comp. polyurethane top coat RAL 7030 – stone grey. 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.

Actuator options

Handwheel
Type MFA



Pneumatique cylinder
Type MFC

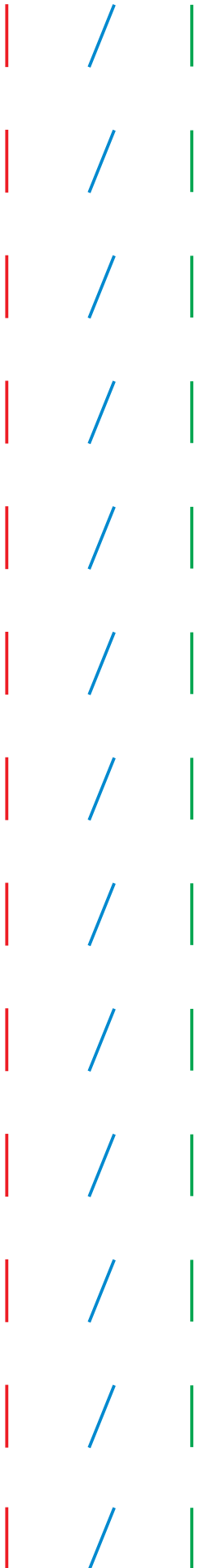


Electric actuator
Type MFE



All actuator units are interchangeable without dismantling valve from pipe system

Further product range



WEY® Sluice Gates



WEY® Off-center Butterfly Valves



WEY® Check Valves (dirty water)



WEY® Check Valves (clean water)



Centric Butterfly Valves



WEY® Dismantling pieces

