



KNIFE GATE VALVES
VALVE SOLUTIONS
IN MORE THAN 70
COUNTRIES



ORBINOX

PRODUCTS

KNIFE GATE VALVES

	EX / EK	ET
APPLICATION	General service (solid loaded fluids): pulp & paper, waste water, solids...	General service (solid loaded fluids): pulp & paper, waste water, solids...
SIZE	DN 50 to DN 1200 (2" to 48")	DN 50 to DN 900 (2" to 36")
WORKING PRESSURE	DN 50 - 250 (2"-10") 10 bar DN 300 - 400 (12"-16") 6 bar DN 450 (18") 5 bar DN 500 - 600 (20"-24") 4 bar DN 700 - 1200 (28"-48") 2 bar	DN 50 - DN 600 (2"-24") 10 bar (150 psi) DN 750 (30") 7 bar (100 psi) DN 900 (36") 7 bar (100 psi)
FLANGE DRILLING	PN 10 ANSI 150; BST "D" Other on request	PN 10 ANSI 150 Other on request

EX / E



Wafer knife gate valve



ET
Knife gate valve
acc. to MSS SP-81



TL / TK

Through conduit
knife gate valve



CR

Round & Square port
knife gate valve



DT

Double gate
knife gate valve

	TL / TK	CR	DT
APPLICATION	Solid loaded fluids (concentration > 5%): pulp, rejects, solids...	Contaminated pulp and difficult conditions (junktraps, cleaners...)	Contaminated pulp or very high concentration (pulp, rejects...)
SIZES	DN 50 to DN 1000 (2" to 40")	DN 100 to DN 600 (4" to 24")	DN 100 to DN 600 (4" to 24")
WORKING PRESSURE	DN 50-125 (2"-5") 10 bar DN 150-250 (6"-10") 8 bar DN 300-400 (12"-16") 6 bar DN 450 (18") 5 bar DN 500-600 (20"-24") 4 bar DN 700-1000 (28"-40") 2 bar	DN 100 - 400 (4"-16") 7 bar DN 500 - 600 (20"-24") 4 bar	DN 100 - 250 (4"-10") 10 bar DN 300 - 400 (12"-16") 6 bar DN 450 (18") 5 bar DN 500-600 (20"-24") 4 bar
FLANGE DRILLING	PN 10 ANSI 150 Other on request	PN 10 ANSI 150 Other on request	PN 10 ANSI 150 Other on request



ORBINOX

PRODUCTS

KNIFE GATE VALVES



EB Bi-directional knife gate valve



VG Rubber sleeve knife gate valve



XC Hopper shape knife gate valve



BC Square port knife gate valve

	EB	VG	XC	BC
APPLICATION	General service (solid loaded fluids): waste water, sludges...	Abrasive slurries (mining, petrochemical...)	Bulk handling (powder, pellets...) silo outlet applications	General service (solid loaded fluids) bulk handling
SIZES	DN 50 to DN 1200 (2" to 48")	DN 50 to DN 900 (2" to 36") Other on request	DN 50 to DN 600 (2" to 24")	150x150 to 600x600 (other on request), (6"x 6" to 24"x24")
WORKING PRESSURE	Monoblock DN 50- 250 (2"-10") 10 bar DN 300 - 400 (12"-16") 6 bar DN 450 (18") 5 bar DN 500 (20") 4 bar Split body DN 600 (24") 4 bar DN 700-1200 (28"-48") 2 bar	DN 50-400 (2"-16") 10 bar (150 psi) DN 450- 600 (18"-24") 6 bar (90 psi) or 10 bar (150 psi) DN 700-900 (28"-36") 5 bar (75 psi) Other on request	Seat opposite pressure DN 50 - 250 (2"-10") 3 bar DN 300 - 400 (12"-16") 2 bar DN 450 (18") 1,5 bar DN 500 - 600 (20"-24") 1 bar	150x150 (6"x6") - 600x600 (24"x24") 1 bar
FLANGE DRILLING	PN10 ANSI 150 Other on request	PN10 ANSI 150 Other on request	PN10 ANSI 150 Other on request	ORBINOX Standard



CW Single wedge knife gate valve

WS Fabricated single wedge knife gate valve

PRODUCTS

SPECIAL ENGINEERED VALVES

	CW	WS
APPLICATION	Solid loaded / hazardous fluids high pressure	Solid loaded / hazardous fluids high pressure
SIZES	DN 80 to DN 900 (3" to 36")	up to DN 2400 (96")
WORKING PRESSURE	Up to 64 bar depending on size	Up to 25 bar depending on size

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for
Web



WISCO
ALLIANCES

IDEAL FOR INDUSTRIAL APPLICATIONS.

Pulp and Paper

Cement

Starch

Bio gas

Wastewater Treatment / Desalination

Chemical plants

Dams, Hydroelectric Plants and

Pumping Stations

Food and Beverage

Mining/slurry

Bulk Handling

Power Plant

Steel Industry

Organic Plant

REFERANCE LIST



United Paper
Public Company Limited



PTTEP



DOUBLE A (1991)
PUBLIC CO., LTD.

