

KNIFE GATE VALVE - KV7 FOR THERMAL HYDROLYSIS PLANTS (THP)



DESCRIPTION

Resilient seated knife gate valve providing tight shut-off, primarily used in thermal hydrolysis plants on medias such as

- Slurries
- Sludges
- Suspended Solids
- Clean Fluids

SIZE RANGE	PRESSURE RANGE
80MM – 200MM	16, 25 AND 40 BAR

- Manufactured in the UK

The valve has a round bottom chamfered blade and resilient seal to cope with the demands of the application.

- Tight shut off Bi-directional seat design, clear bore, unrestricted flow, seal mechanically retained.
- Pocketless orifices ensure minimum pressure drop without clogging
- Stuffing box is repackable without removing valve from line
- Rising stem as standard.

OPTIONAL EXTRAS INCLUDE

- Extension spindles
- Non-rising spindles
- Alternative actuators
- ISO mounting for actuation
- Bare shaft
- Locking facilities
- Ni-hard port inserts,
- Abrasive resistant body encapsulation (Halar)
- Electrical and mechanical position indication and solenoid valves

Designs for higher pressure (25 and 40 bar) and other special applications on request.

Cylinder operation safety guard fitted as required.

Valve Body

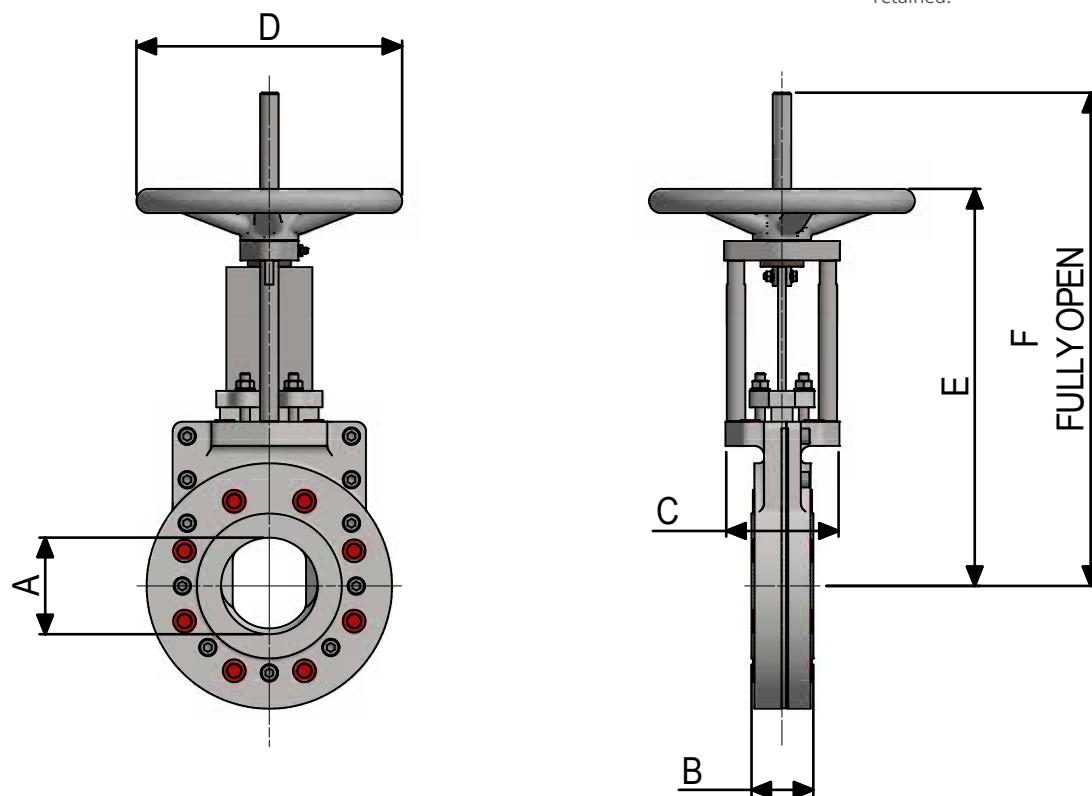
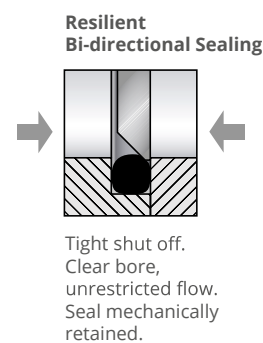
SG Iron body, Fully Lugged and Tapped for end of line service and maintenance

Blade

304 Stainless steel machined chamfered blade.

Seal

Full pressure rated AFLAS seals, PTFE packing



Pressure Rating	"Bore* A (mm)"	"B (mm)"	"C (mm)"	"D (mm)"	"E (mm)"	"F (mm)"	"Weight (kg)"
PN16	80	62	132	275	344	426	18
	100	64	118	275	408	511	28
	150	68	158	310	508	658	35
	200	70	172	310	609	809	62
PN25	100	64	118	275	408	511	28
	150	77	165	310	536	686	49
PN40	100	74.5	124	275	408	511	30