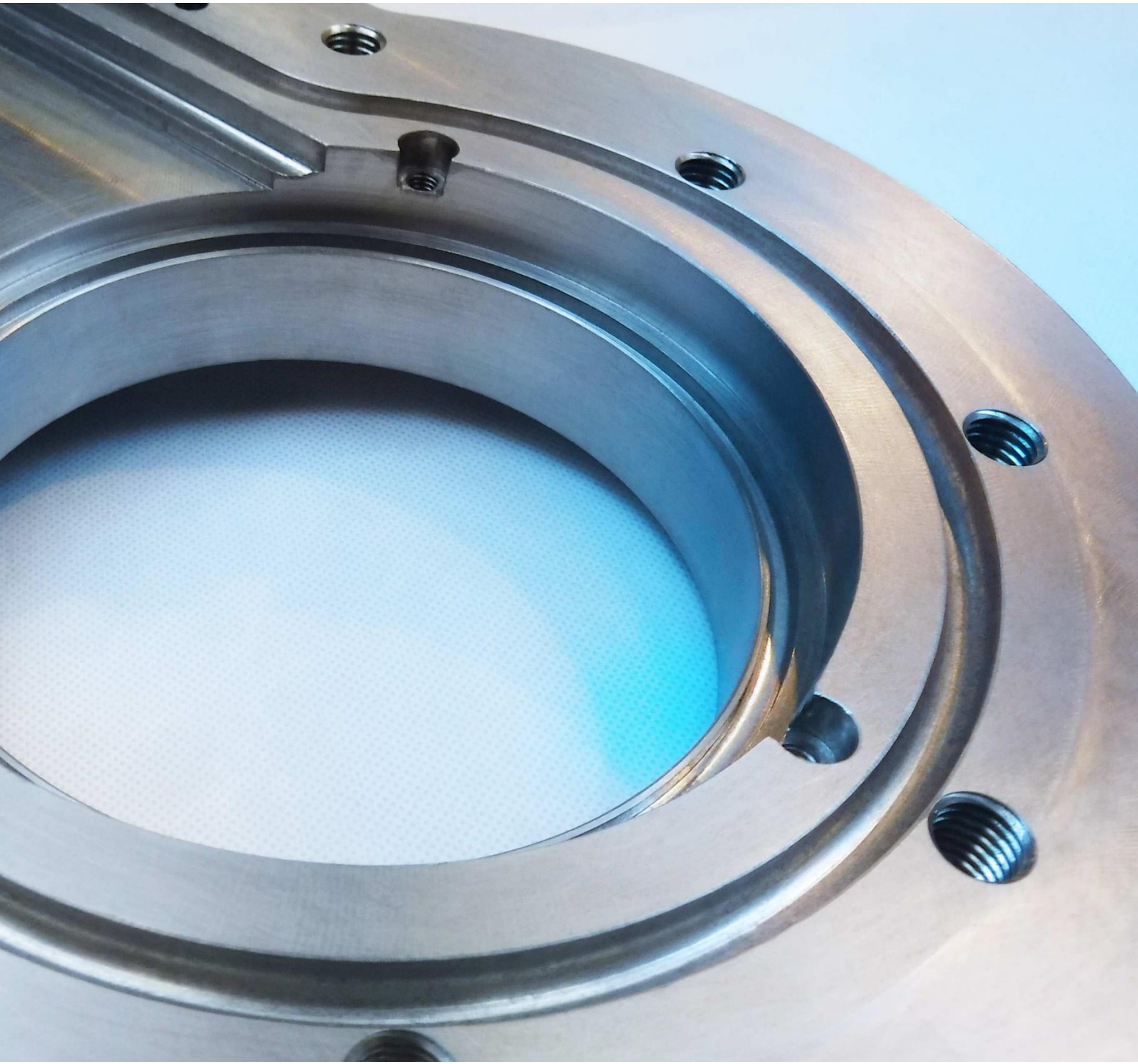




Type CUK / CUKP High Pressure Knife Gate Valves

for Slurries, Sludges, Suspended Solids and Clean Fluids

Full bore, rubber seated, fully lugged, high pressure bi-directional Knife Gate Valve, suitable for end of line duty at fully rated pressure.

For use on sewage, slurries and waste water with high dried solids content.

Design features include:

-  Step blade arrangement for dual sealing
-  Pocketless orifices to prevent clogging
-  Maintainable gland arrangement and replaceable body seat
-  Ni-Hard insert available full or reduced bore

Valve Body

Available in a range of materials including SG iron, bronze, aluminium, carbon and stainless steel, duplex and Hastelloy.

Blade

Available as stainless steel, duplex and Hastelloy options.

Spindle

'Rising spindle' design manufactured from stainless steel as standard.

Gland Packing

Braided PTFE or other grade to suit application.

Seal

Aflas, Nitrile rubber, EPDM, Viton, PTFE or other to suit application.

Flange Alignment / Pressure Rating

BS EN1092 NP10, NP16, NP25, NP40, ANSI 150-300, BST 'D' or 'E'.

Insert

Full bore machined and mechanically fixed Ni-Hard inserts available as an option.

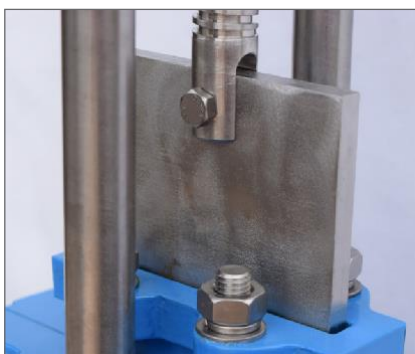
Operation

Pneumatic, electric or manual.

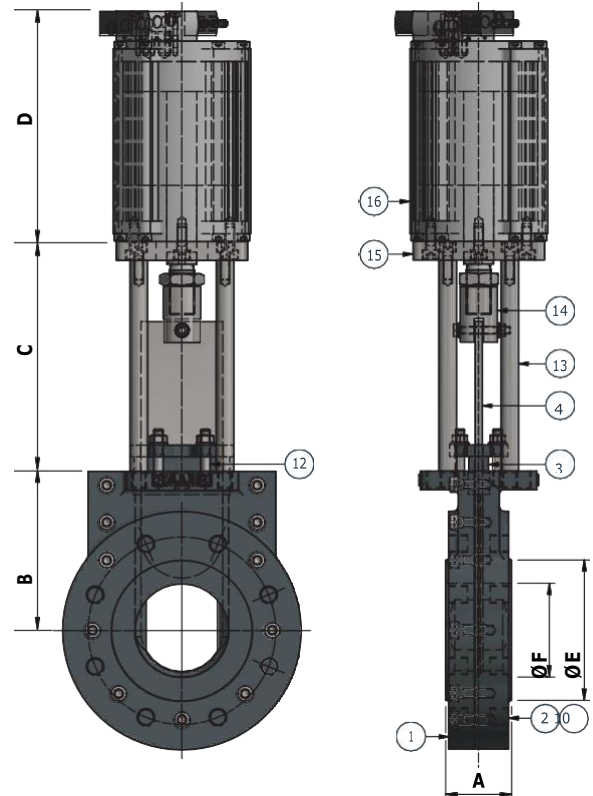
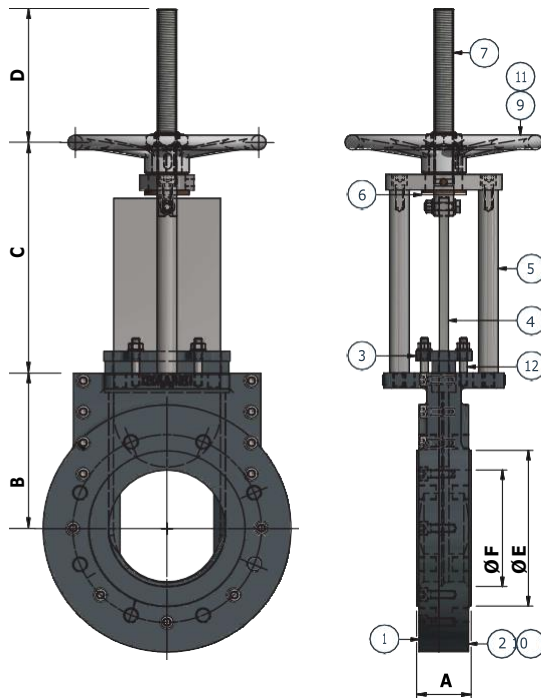
Optional Extras

These include extension spindles, non-rising spindles, locking facilities, Ni-Hard port inserts, electrical and mechanical position indication and solenoid valves.

Designs for higher pressure and other specialist applications are available upon request.



Note: Guards omitted for clarity. Dimensions subject to change.



Manual Valve Dimensions

Valve Size D/N (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
65	60	120	185	100	122	65
80	62	140	209	105	127	76
100	70	170	229	120	150	100
150	70	200	297	178	200	150
200	70	235	352	250	270	200
250	100	300	580	310	320	250
300	113	368	400	365	395	300

Actuated Valve Dimensions

Valve Size D/N (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
65	60	120	340	280	122	65
80	62	140	365	300	127	76
100	70	170	245	300	150	100
150	70	200	310	350	200	150
200	70	235	360	400	270	200
250	100	300	630	500	320	250
300	113	368	710	550	395	300

Parts List

Item	Description
1	Plain half body
2	Wey half body
3	Gland follower
4	Blade
5	Manual supports
6	Yoke sleeve
7	Threaded spindle
8	Manual bridge

Item	Description
9	Handwheel
10	Seal
11	Stem lock nut
12	Gland studs
13	Pneumatic supports
14	Blade connector
15	Pneumatic bridge
16	Pneumatic cylinder



Ni-Hard Inserts are available as full or reduced bore.

The design ensures that the whole bore is protected, giving superior wear characteristics.

Inserts are mechanically fixed allowing maintenance and replacement.



Where tradition meets innovation

The Flow Control Group incorporating Cotswold Valves Limited, Cotswold Penstocks Limited, Cotswold Access Chambers Limited, Intovalve Limited and Flow Control Company Limited offers customers solutions to suit their individual flow and treatment applications.

Covering a wide range of sectors including oil, gas, industrial, water, waste water, sewage, chemical and power generation, the business provides consultancy services including product specification, selection, valve sizing, actuation, flow and pressure management, installation and the supply and retrofit of a full range of spares and replacement products.

We engage and partner at all stages of the supply chain. We strive to identify the correct product to deliver the best engineered solution. Acting in a consultancy capacity, the group can offer products best suited to a client's application.

The total package supply approach leads to reductions in lead times, cost savings, enhanced quality and performance and by project managing the whole project supply, a reduction in the opportunity for errors.

Our philosophy is to work closely with customers and our supply partners to deliver products and services that will offer value for money on initial purchase, and which will also offer an enhanced whole life cost solution providing industry leading TOTEX results.

The Group's Site Services division specialises in "On-Site" product support. We can undertake both new installations and carry out retrofit of valves and actuators to existing works. Where necessary we can act in a support capacity on client led installations

The Flow Control Group incorporates fabrication and machining capabilities and can, in addition to the production of valves and penstocks design and manufacture mounting kits, pedestals, drive bushes, spindles and other ancillary equipment.

Our manufacturing facilities supply bespoke products in accordance with ISO 9001:2015 quality management systems. The business also operates to ISO 14001:2015 and ISO 45000:2018 standards operating to the highest Health & Safety and Environmental standards.

Utilising our in-house actuation facility, we can assist with actuator selection, and can fit, set and test actuators prior to delivery. We can also fit actuators on site where necessary.

The Flow Control Group supply products to customers throughout the world and have experience of dealing with all aspects of export. Our export team will assist with all aspects of documentation packing and delivery.



