



130DB Knife Gate Valve

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Knife Gate Valve



The United Conveyor Corporation (UCC) 130DB Knife Gate Valve is designed specifically for on/off pipeline isolation service in high pressure pneumatic conveying applications. This rugged and easy to maintain valve utilizes proven UCC seat and blade technology to provide extended wear life and reliable high pressure sealing. The UCC 130DB Knife Gate Valve is a superior replacement to in-line dome-type valves and traditional knife gate valves found in non-UCC systems. The 130DB Knife Gate Valve is shipped fully assembled with solenoid and limit switches to reduce field assembly and installation cost.

FEATURES

- Line Size: DN150, 200, 250
- Maximum Operating Pressure: 9 bar
- Maximum Operating Temperature: 200 °C
- Flange Connection: ANSI B16.5 Class 125/150, DIN PN10 and PN16
- Two-Piece, Bonneted Cast Iron Body
- Hardened Ductile Iron Seats with Bi-Directional Viton® Seals

130DB
Field Installation



ADVANTAGES

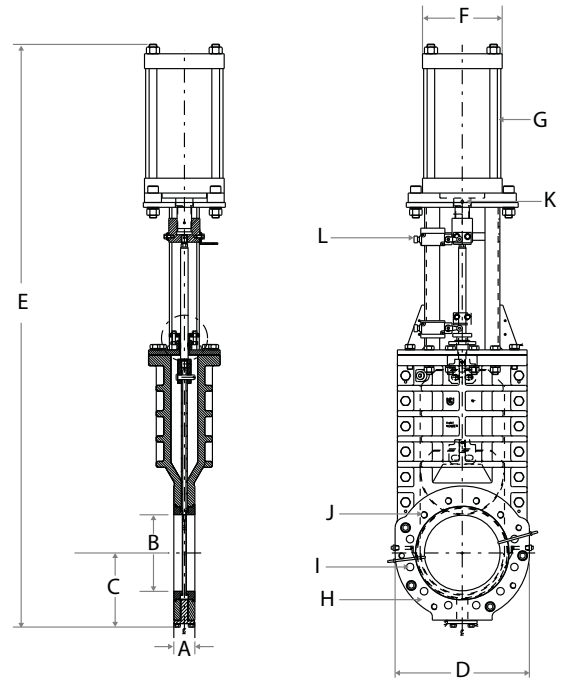
- **Superior Sealing Performance**
 - › Multi-layered PTFE impregnated yarn with brass bushing and anti-score ring reduces friction on shaft to provide a pressure-tight seal and ease of operation
 - › Resilient Viton® elastomer seal provides bi-directional, positive shut-off
- **Longer Service Life**
 - › Rugged, two-piece ductile iron body designed to handle higher pressures
 - › Hardened ductile iron seats protect seal from wear
 - › Stainless steel blade provides excellent corrosion resistance
- **Simple and Easy Maintenance**
 - › Replaceable seats and blade allow the valve to be economically rebuilt
 - › Lower access port for easy clean out

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ADVANTAGES (cont.)

■ Optional Components

- › Blade material options: 304 or 316 stainless steel
- › Seat material options: hardened ductile iron or ceramic tiled
- › Actuator options: air cylinder, handwheel, chainwheel or motor operator
- › Roller lever type and proximity limit switches are available with pre-drilled brackets for easy installation
- › Purge air kit allows material buildup to be flushed from the body cavity
- › Pre-piping options:
 - Brass or stainless steel Swagelok® fittings
 - Rubber or stainless steel Swagelok® hoses



KEY DIMENSIONS

Valve Size (dia.) (mm)	A Install Width	B (dia.)	C	D	E	F Cyl. Bore	G Cly. Bore	H B.C	I Thru Holes (dia.)	J Tapped Holes	K NPTF	L NPTF	Weight (kgs.)
150	57,2	150	168	300	1076	279	150	240	(4) 22	(4) M20	3/8"	1/2"	127
200	69,9	200	194	350	1311	342	200	295	(4) 22	(4) M20	3/8"	1/2"	155
250	69,9	250	248	450	1954	409	250	355	(8) 22	(4) M20	1/2"	1/2"	311

ORDERING INFORMATION

Please reference UCC Drawing #5-1917-4 for current product information.

UNITED CONVEYOR CORPORATION

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