

BI-DIRECTIONAL KNIFE EDGE GATE VALVE

V-TORK[®] **B-900** two piece rugged Bi Directional Knife Gate Valve features full port design with zero Leakage by the unique transverse seal concept. The shearing gate design avoids the obstructions in the flowing media. Gate perimeter is guided through resilient seat which is mechanically retained, allowing for zero leakage isolation regardless of flow direction.



B-900

SIZE RANGE

2" to 40" (50MM to 1000MM)

PRESSURE RATING

2" - 40" - 150 PSI CWP

FLOW DIRECTION

Can be mounted in both flow directions

UNIQUE DESIGN FEATURES

- Replaceable gland seal in line under full pressure
- Glandless design
- Full port design to eliminate the turbulence & pressure-drop across the valve
- High rigid yoke / support plate design to avoid shock loads

OPERATION

- Lever, Hand Wheel, Chain Wheel,
- Bevel Gear, Hydraulic Cylinder,
- Pneumatic Cylinder, Electrical Actuator etc.

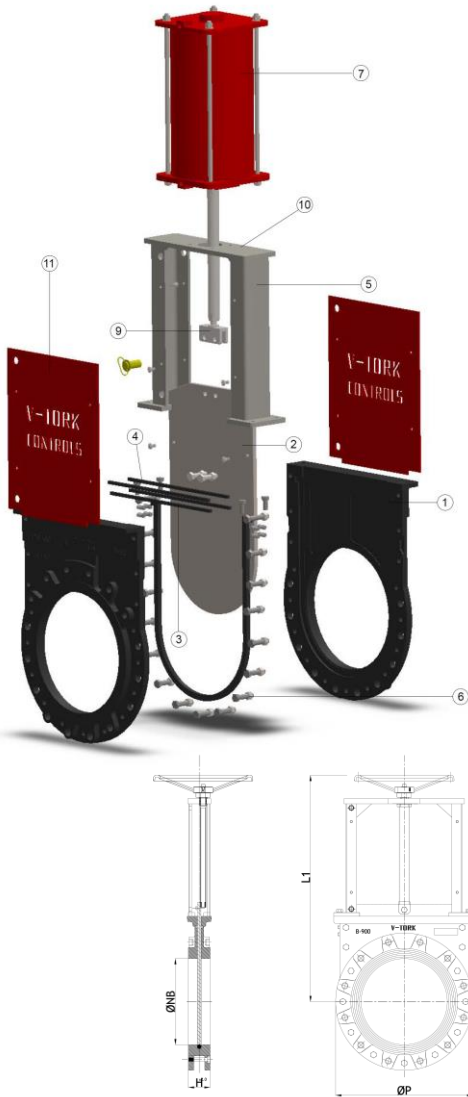
ACCESSORIES

- Limit Switch, Solenoid Valve, Positioner
- Air Filter Regulator etc.

APPLICATIONS

Mining, Minerals (Bauxite Beneficiation Plant, Bauxite slurry, Cement (Slag Granulation Plant), Metals (Beneficiation Plant, Iron ore slurry Suction line), Lime Slurry, Flue gas desulfurization, Sand & gravel, Coal, Phosphate, Sea Water, Kaolin, Alumina, Soda Ash etc.

MATERIAL OF CONSTRUCTION



Sl No	Part Name	Material
1	Body	Ni-Resist (Ductile Iron / Cast Iron)/ Cast Stainless Steel/Cast Carbon Steel
2	Gate	SS 304/SS316/Duplex 2205 & Other Special materials
3	Scraper	Brass / PTFE /Stainless Steel
4	Seal	Nitrile Rubber, EPDM, Viton
5	Support Plate	Carbon Steel
6	Fasteners	Steel / SS 304 / ASTM A193-B8
7	Cylinder	Double acting Pneumatic / Hydraulic
8	Stem	SS 410/SS 304/SS316
9	Clevis	Carbon Steel
10	Mounting Plate	Carbon Steel
11	Protection Guard	Polycarbonate/Carbon Steel

MATERIAL OF CONSTRUCTION

DN	A	B	C	P	H	L1	L2	L3	L4
50	120.5	(5/8)"-11UNC	4	150	51	380	470	520	
80	152.5	(5/8)"-11UNC	4	190	51	490	600	640	640
100	190.5	(5/8)"-11UNC	8	230	51	560	690	740	720
150	241.5	(3/4)"-10UNC	8	280	57	680	910	920	885
200	298.5	(3/4)"-10UNC	8	345	70	820	1110	1180	1050
250	362	(7/8)"-9UNC	12	405	70	930	1280	1320	1115
300	432	(7/8)"-9UNC	12	485	76	1150	1545	1580	1330
350	476	1"-8UNC	12	535	76	-	1760	1750	1480
400	540	1"-8UNC	16	600	89	-	1960	1960	1630
450	578	1(1/8)"-8UNC	16	635	89	-	2130	2120	1730
500	635	1(1/8)"-8UNC	20	700	114	-	-	2310	1880
600	749.5	1(1/4)"-8UNC	20	815	114	-	-	2640	2100
700	940	1(5/8)"-8UNC	28	1035	178	-	-	3010	2390
800	1054	1(7/8)"-8UNC	28	1150	178	-	-	3440	2685

*Note: Higher sizes on request

DISCLAIMER: V-TORK® cannot accept responsibility for possible errors in catalogues, brochures, other printed materials, and website information. V-TORK® reserved right to alter its products without notice including products already on order provided that such alteration can be made without changes being necessary in specifications already agreed. The V-TORK® & V-TORK® Logo types are registered trademarks of V-TORK CONTROLS®.



Address: 187/2A SNMV College Road, Malumichampatti, Coimbatore - 641 050, Tamilnadu, India
 Phone: +91 7598718922 | Email: sales@vtorkcontrols.com, vtorkcontrols@gmail.com
 Website: www.vtorkcontrols.com
 ©2019, V-TORK CONTROLS®



V-TORK®
 www.vtorkcontrols.com