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**V-TORK®**  
WORLD CLASS INDUSTRIAL VALVES

# SLUGATE™

SLURRY KNIFE EDGE GATE VALVE

## V-TORK® SLUGATE™ B-540

Slurry Knife Edge Gate Valve is designed for harsh environment to handle the abrasive & corrosive slurry media. It features a heavy duty stainless steel gate and removable sleeves on either sides of the gate which provide a full port Bi directional bubble tight seal, trouble free service and high wear resistant guarantee to the valve.

The valve is suitable for wet or dry service since its massive rubber sleeves were designed to seal and withstand the harsh abrasive duty inherent and it can be easily replaceable which makes easy maintenance and cost effectiveness to the end user.



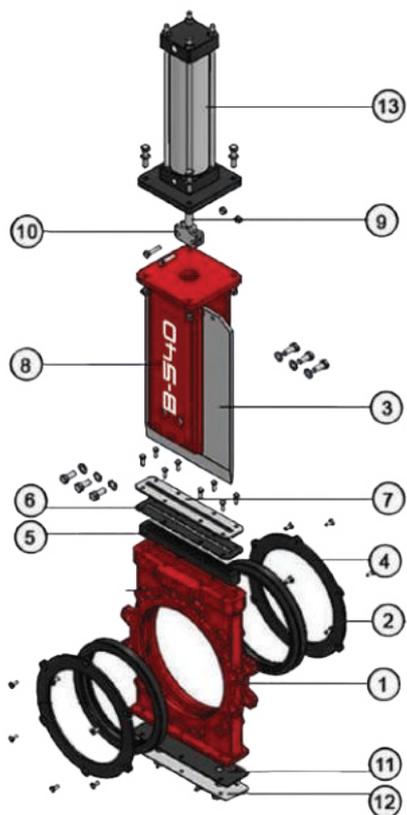
# B-540



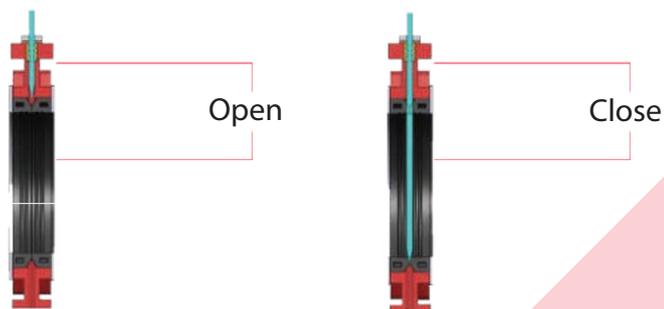
**V-TORK**<sup>®</sup>  
WORLD CLASS INDUSTRIAL VALVES

**SLUGATE**<sup>™</sup>  
SLURRY KNIFE EDGE GATE VALVE

**B-540**



## GATE POSITIONS



## UNIQUE DESIGN FEATURES



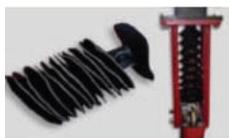
Sleeve Retainer Ring



Open/Close Gate Lock



Flushing Ports



Stem Bellow



Elastomer Sleeves



Lubrication Port

## PART NAME

## MATERIAL OF CONSTRUCTION

Body	Ductile Iron / Cast Iron
Elastomer Sleeve	Nitrile Rubber with Reinforced Metal Ring / Other materials are also available
Gate	ASTM A240 Gr. SS304 / ASTM A240 G. SS316 / With Hard Chrome Plated
Sleeve Retainer Ring	Nitrile Rubber with Reinforced Metal Ring / Other materials are also available
Gland Seal	Nitrile Rubber
Wiper Seal	Nitrile Rubber
Gland Seal Mounting Plate	SS 304 / SS 316
Support Plate	ASTM A36 Gr. Carbon Steel
Stem	SS 304 / SS316
Clevis	Carbon Steel
Flush Gasket	EPDM / Nitrile Rubber
Flush Plate	SS 304 / SS 316
Cylinder	Double acting Pneumatic / Hydraulic
Fasteners	Steel / SS 304 / ASTM A193-B8

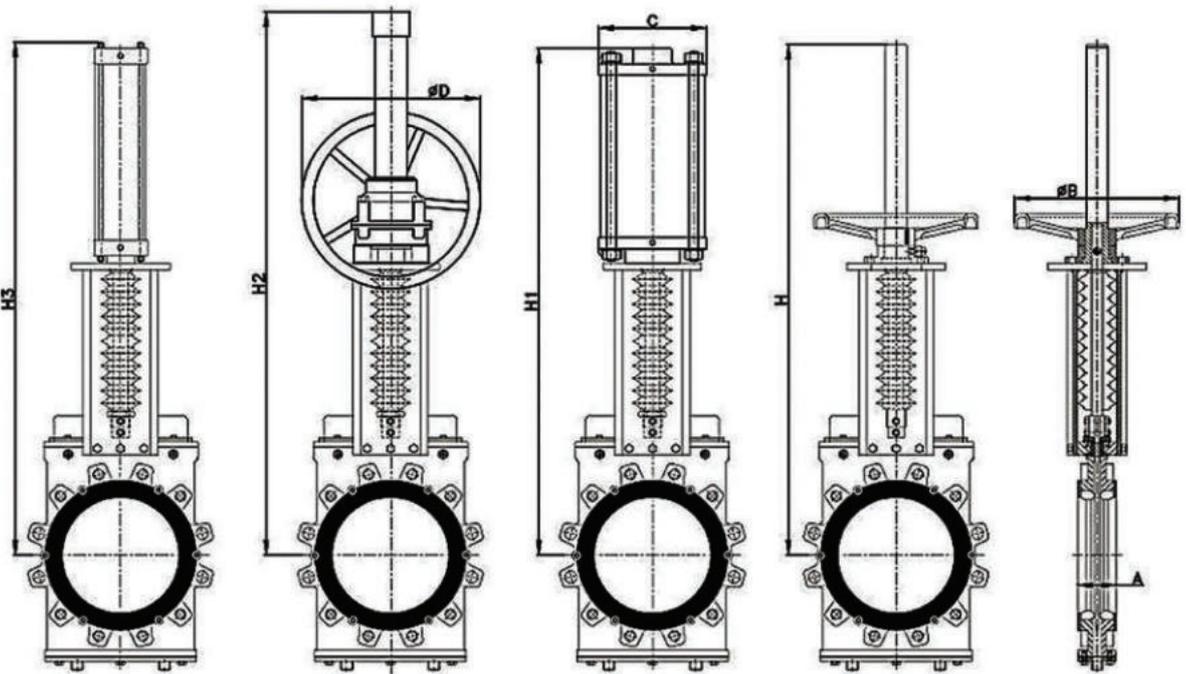
\*Special materials on request



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**B-540**

DIMENTIONAL DETAILS



DN	A	ØB	C	ØD	H	H1	H2	H3
50	51	225	115	-	456	476	-	570
80	58	225	140	-	575	590	-	640
100	58	350	175	-	670	678	-	700
125	67	350	175	-	733	736	-	810
150	67	350	175	-	789	822	-	885
200	82	410	220	300	971	976	1000	1033
250	82	410	275	300	1103	1180	1510	1310
300	86	410	380	450	1271	1342	1600	1465
350	86	550	380	450	172	1488	1710	1625
400	102	600	445	450	1617	1667	1790	1780
450	110	800	445	450	1795	1840	1785	1870
500	125	800	515	450	1960	2027	1980	2050
600	125	800	515	450	2220	2296	2225	2345

\* Note : Higher sizes on request



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## MODE OF OPERATIONS



Manual Hand Wheel



Manual Chain Wheel



Manual Hand Lever



Manual Bevel Gear



Electrical Actuator



Hydraulic Actuator



Pneumatic Double Action Actuator



Pneumatic Failsafe & Manual Override

# SLUGATE™

## SLURRY KNIFE EDGE GATE VALVE

### SIZE RANGE

2" to 54" (50 mm to 1350 mm)

### PRESSURE RATING

150psi CWP (2" to 16"), 90psi CWP (18" to 24")

### FLOW DIRECTION

Can be mounted in both pressure directions

### OPERATION

Hand 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), Metals (Beneficiation Plant, Iron ore slurry Suction line & Discharge Lines), Lime Slurry, Flue gas desulfurization, Sand & gravel, Coal, Phosphate, Kaolin, Alumina, Soda Ash etc.)

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