



V-TORK®
WORLD CLASS INDUSTRIAL VALVES

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**SIMPLE SOLUTION FOR
TOUGHER APPLICATIONS**

V-TORK CONTROLS

MANUFACTURER OF KNIFE GATE VALVES

WHO WE ARE



OFFICE



DESIGN



MANUFACTURING



PAINTING & BLASTING



QUALITY



ASSEMBLY



TESTING



INSPECTION



V-TORK®, a professionally managed ISO 9001:2015 Company was established on 2008 in Coimbatore, the engineering hub of South India. For over 10 years, we are specialised in developing and manufacturing premium quality and Field proven Industrial Valves and providing services for domestic and international customers for the most demanding requirements.

V-TORK is equipped with highly advanced design software to create, develop and introduce new model valves to meet the customer's requirements. These help us to optimize product design and continual improvements in products we develop. We have the precise testing facilities and excellent material handling facilities to supply the quality products we make

KNIFE GATE VALVES

V-TORK Knife Gate Valves are specially designed and manufactured according to MSS and AWWA Standards to meet the worst working conditions in Power, Metal & Mining, Chemical Industries, Water Treatment Industries to handle Semi-Solids, Abrasive Slurries, Dry-Ash, Pulp & Paper, Chips, Fiber contents Pulps, Cement etc. The compact design of the valves facilitates light weight, minimum space for installing, easy operation and maintenance.

The compact Knife Edged gate is manufactured from Stainless Steel Plates of various grades irrespective of Body material. The bottom of the Gate is having Knife type edge which can cut through Semi-Solid or Paste type Pulp with possible fiber and solid contents, Fly ash, Chemicals with solid contents and ensure smooth shut-down operation and tight shut-off. The Knife gate valves are available in wide range of material. Trim options are available to suit individual requirements for various working conditions.



RANGE OF MATERIAL OF CONSTRUCTION
 CI/DI/WCB/CF8/CF8M/CF3M/CG8M/SMO254/Duplex
 2205 & Exotic alloys on request.

RANGE OF SEAT MATERIAL
 EPDM/Viton/Natural Rubber/Nitrile/PTFE

RANGE OF ACTUATORS
 Hand Wheel, Hand Lever, Chain Wheel, Bevel Gear,
 Pneumatic Cylinders (Single/Double Acting), Hydraulic
 Cylinder, Electro-Pneumatic, Motorized

SIZE RANGE
 25 NB to 3000 NB (2" to 120")

PRESSURE RATING
 75 PSI, 100PSI, 150PSI, 300PSI

GENERAL APPLICATION KNIFE GATE VALVES



U-160

Uni Directional, Wafer Type
 Size 2" to 120" (50mm to 3000mm)
 Metal Seated / Resilient Seated
 Single Piece Construction
 Standard: MSS SP 81, 148, 151



U-250

Uni Directional, Lug Type
 Size 2" to 120" (50mm to 3000mm)
 Metal Seated / Resilient Seated
 Single Piece Construction
 Standard: MSS SP 81, 148, 151



U-340

Uni Directional, Flanged Type
 Size 2" to 120" (50mm to 3000mm)
 Metal Seated / Resilient Seated
 Single Piece Construction
 Standard: MSS SP 81, 148, 151



U-610

ISOCOALTM SERIES
COAL MILL ISOLATION VALVE

Uni Directional, Flanged Type
 Size 16" to 40" (400mm to 1000mm)
 Metal Seated / Resilient Seated
 Single Piece Construction
 Standard: NFPA 85

CUSTOMIZED KNIFE GATE VALVES



25mm Knife Gate Valve

Supplied specially designed 25mm Wafer end valves to a Water Treatment Plant in the year of 2013 as per the Client's requisition.

MOC: Duplex Steel 2205



Special Knife Gate Valves for Cyclone Dust Application

Supplied customized Bonneted Knife Gate Valves to a Steel plant in the years of 2016, 2018 & 2019 for Cyclone Dust Application of sizes 150mm & 300mm with special Purging arrangement.

MOC: CK20, CF8M (Nitrided Body)



Valves with Special Grade

Designed & supplied long F-F Flanged Knife Gate Valves to an OEM in the years of 2019 for Phosphoric Acid Slurry Application of size 700mm.

MOC: Stainless Steel 904L

SLURRY/MINING KNIFE GATE VALVES

V-TORK Slurry/Mining valves are designed for heavy duty purposes to isolate flow, even in the most demanding process conditions. The complete valve is built around an easy of maintenance concept which contains Purge ports, Replaceable Retainer Rings, Dual Elastomer Seals for long operational period.



B-540/ 8-540 H **SLUGATE™**
SLURRY KNIFE EDGE GATE VALVE

- Bi Directional, Lug Type
- Size 2" to 54" (50mm to 1350mm)
- Dual Elastomer Seals with Retainer Rings
- Single Piece Construction
- Standard: V-TORK Std



B-720

- Bi Directional, Flanged Type
- Size 2" to 64" (50mm to 1600mm)
- Dual Elastomer seal with retainer ring
- Single Piece Construction
- Standard: V-TORK Std



B-810

- Bi Directional, Wafer Type
- Size 2" to 36" (50mm to 900mm)
- Dual Elastomer Seals with Retainer Rings
- Two Piece Construction, Class #300
- Standard: V-TORK Std



B-450 **POLYURETHANE LINED**
KNIFE EDGE GATE VALVE

- Bi Directional, Flanged Type
- Size 2" to 40" (50mm to 1000mm)
- Resilient Seated (PU Lined)
- Two Piece Construction
- Standard: MSS SP-81, 148, 151



B-630 **O-Port**

- O-Port
- Bi Directional, Wafer Type
- Size 4" to 24" (100mm to 600mm)
- Metal Seated / Resilient Seated
- Split Body Construction
- Standard: MSS SP-81, 148, 151



B-360

- Bi Directional, Flanged Type
- Size 2" to 40" (50mm to 1000mm)
- Resilient Seated (U-Seal)
- Two Piece Construction
- Standard: MSS SP-81, 148, 151

APPLICATIONS

MINING

- Slurry Transfer Systems
- Quartz Slurry
- Lime Slurry
- Slag Granulation
- Iron Ore
- Coal Transportation
- Filter Tanks

POWER PLANTS

- Coal Slurry
- Boiler Bed ash
- Mill reject Ssystem
- Flue Gas Desulphurization
- Ash Slurry
- Wet Lime
- Cooling Water

METAL

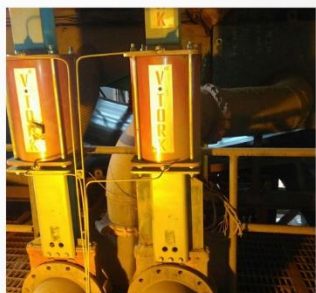
- Iron Ore Slurry
- Blast Furnace Slurry
- Coke
- Ash Slurry
- Copper Slurry
- Acid Slurry

CEMENT PLANTS

- Cement Bagging
- Lime Slurry
- Fly ash
- Kiln Dust
- Water Treatment
- Sand Slurry
- Silica

PAPER & PULP

- Black Liquor
- High-Density Stock
- White Liquor
- Effluent
- Pulp stock
- Wash Liquor
- HD Cleaner



RANGE OF ACCESSORIES

Solenoid Valve, Limit Switch, Proximity Switch, Junction Box, Positioner, Purging Arrangement, Accumulator for Emergency Shut off, Wear Rings, Deflection Cones, Nitride hardening

ADDITIONAL FEATURES

Processed Gate: Hard Chrome Plating, Nitriding, Other Surface Coatings.
Metal Reinforced Elastomer Seal, Lubrication Port, Purge Port, Flush Port, Stem Extensions, Stem Protection, Dual Elastomer Seal.

WATER/AWWA KNIFE GATE VALVES

V-TORK WATER/AWWA valve standard describes bonneted/bonnetless and one/ two piece construction which is made of Stainless steel / Cast iron / Ductile iron body with resilient or metal seated Knife gate valves. These AWWA valves are especially used in water, wastewater and sludge water systems. V-TORK valves are specially manufactured by AWWA C520-10 standard to suit critical water applications.



U-106

UniDirectional, Wafer Type
Size 2" to 120" (50mm to 3000mm)
Bonneted / Bonnet Less
Metal Seated / Soft Seated
Standard: AWWA C520-10



U-205

UniDirectional, Lug Type
Size 2" to 120" (50mm to 3000mm)
Bonneted / Bonnet Less
Metal Seated / Soft Seated
Standard: AWWA C520-10



U-304

UniDirectional, Flanged Type
Size 2" to 120" (50mm to 3000mm)
Bonneted / Bonnet Less
Metal Seated / Soft Seated
Standard: AWWA C520-10



U-403

UniDirectional, Flanged Type
Size 2" to 24" (50mm to 600mm)
Bonneted / Bonnet Less
Metal Seated / Soft Seated
Standard: MSS SP-81, 148, 151



B-270

Bi Directional, Lug Type
Size 2" to 40" (50mm to 1000mm)
Resilient Seated (U-Seal)
Single Piece Construction
Standard: MSS SP-81, 148, 151

APPLICATIONS

WATER PLANTS

Sewage
Waste Sludge
Scum
Drinking Water
Sand Slurry
Flood Control
Grit
Pumping Stations
Acid Dosing



RANGE OF ACCESSORIES

Solenoid Valve, Limit Switch, Proximity Switch, Junction Box, Positioner, V-Port for Throttling, Accumulator for Emergency Shut off, Wear Rings, Deflection Cones, Nitride hardening

ADDITIONAL FEATURES

Processed Gate: Hard Chrome Plating, Nitriding, Other Surface Coatings.

Metal Reinforced Elastomer Seal, Lubrication Port, Purge Port, Flush Port, Stem Extensions, Stem Protection

TESTINGS CARRIED OUT

1. PHYSICAL TEST
2. CHEMICAL TEST
3. ULTRASONIC TEST
4. MAGNETIC PARTICLE TEST (MPI)
5. RADIOGRAPHY TEST
6. DYE PENITRATION TEST
7. DRY FILM THICKNESS TEST (DFT)
8. PRESSURE TEST
9. LEAKAGE TEST
10. PERFORMANCE TEST
11. SPARK TEST FOR RUBBER
12. FUNCTIONAL TEST
13. CYCLIC TEST



LEAKAGE TEST



PMI TEST



DFT TEST



CYCLIC TEST

GLOBAL PRESENCE



V-TORK CONTROLS®

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