Style KGV
Carbon Steel (ASTM A 216, Grade WCB)
150 PSI

Stainless Steel (ASTM A 351, Grade CF8)
150 PSI

Stainless Steel (ASTM A 351, Grade CF8M)
150 PSI

Knife Gate Valve

APPLICATIONS
Pulp and paper, chemical, petrochemical, power, mining, waste water, food processing, and beverage where shut-off of liquids is required.

CONSTRUCTION
The Keckley Style KGV Knife Gate Valves are constructed from rugged castings that are machined to exacting specifications.

FEATURES
• Meets TAPPI TIS 405-8 and MSS SP-81 Standards on wafer-type knife gate valves for face to face dimensions.
• Flanges match ASME B16.5 Class 150. Holes tapped.
• 150 PSIG (10.3 Bar) max. working pressure. 150°F (65°C) max. working temperature. Applications outside of their conditions require special design considerations.
• Gate edge is beveled for easier packing seal and longer packing life.
• Meets MSS SP-81 shut-off requirements of 40cc per inch per minute at 40 PSI (water test).
• Non-clogging large port.
• Port diameter exceeds requirements of MSS SP-81.
• Replaceable resilient seats extend the service life of the valve. Resilient seats can be easily replaced after removing the valve from the line.

AVAILABLE OPTIONS
Actuation
• Manual Handwheel
• Double Acting
   Hydraulic Cylinder Operator
• Bevel Gear Operators
   Double Acting Spring-Return
   Pneumatic Cylinder Operator

Automation
• Mechanical Limit Switches for Position Indication
• Proximity Limit Switches for Position Indication

ORDERING
Reference product number table for proper ordering code.
Handwheel, cast ductile iron.

Optional Non-Rising Stem Assembly. (Not Shown).

Stem, heavy cross-section 304 stainless steel stem, single-lead Acme threads for ease of operation.

Hex nuts.

Packing Gland, cast 304, 316, 317, or WCB.

The Keckley Style KGV knife gate valves are available with numerous optional packing types and special packing arrangements to help ensure superior performance.

**Standard Packing**
Is an asbestos free Teflon impregnated synthetic suitable for services up to 500°F and a pH of 3-11, other packings include pure Teflon (0-13 pH) and food-grade Teflon and hi-temperature variations.

**Gate Wiper**
In viscous and scaling applications, a gate wiper can be added. Made from various materials, the wiper is fit to scrape the gate and deter solids from entering the packing area.

**Enhanced Packing**
Features Self-Mold SM636, a pliable packing material that forms itself to the interior of the packing box, filling any voids.

**Cored Power Packing**
Provides superior packing life with fewer adjustments, available in many different configurations.