

# Style KGV

Carbon Steel (ASTM A 216, Grade WCB)

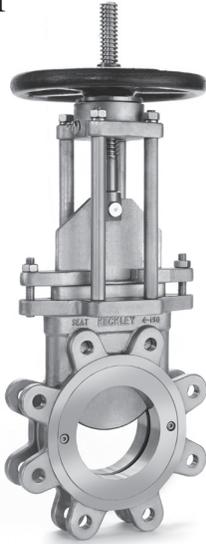
150 PSI

Stainless Steel (ASTM A 351, Grade CF8)

150 PSI

Stainless Steel (ASTM A 351, Grade CF8M)

150 PSI



**Cylinder Actuation**  
2" - 24"



**Bevel Gear Actuation**  
2" - 24"

# 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

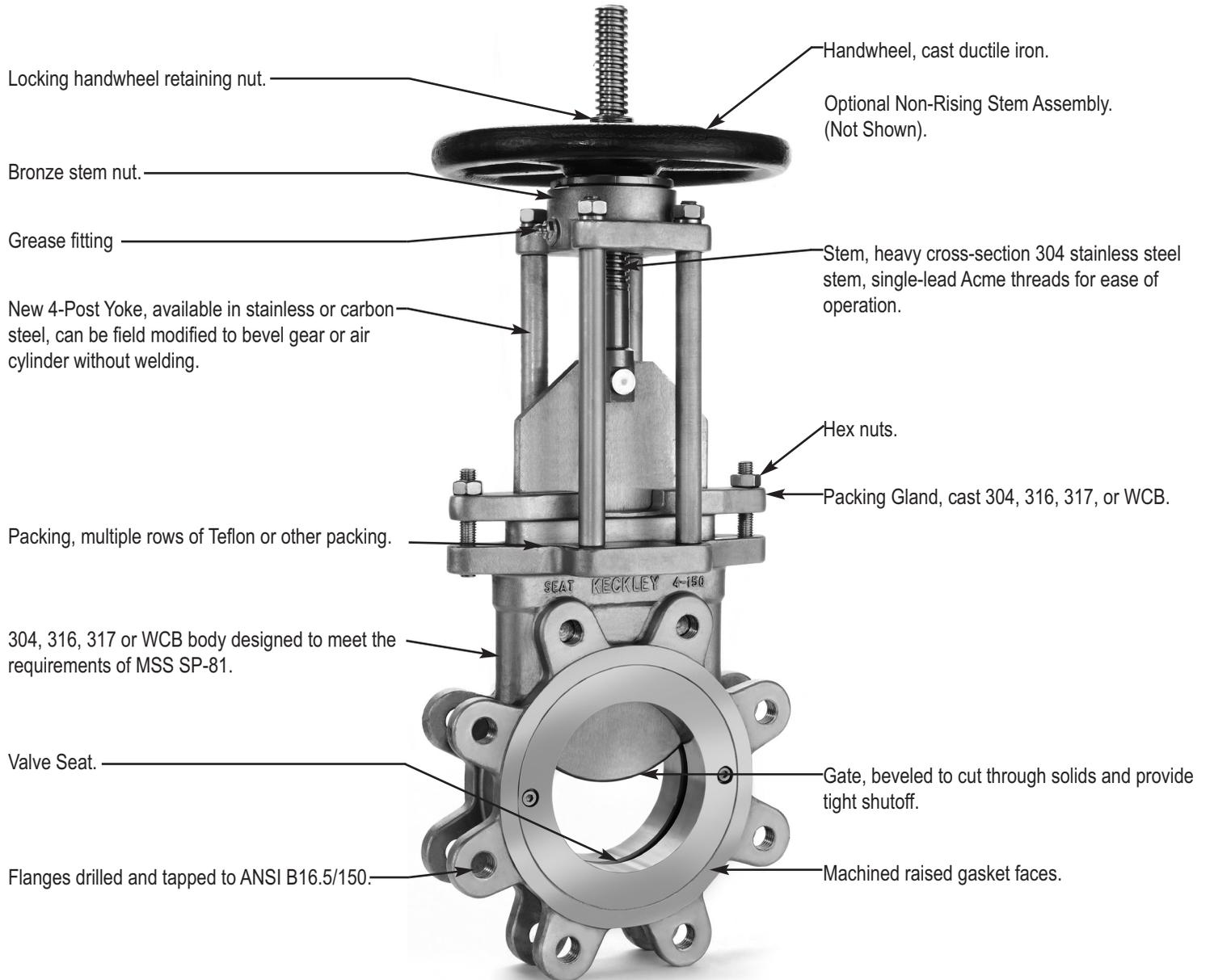
### Automation

- Mechanical Limit Switches for Position Indication
- Proximity Limit Switches for Position Indication

## ORDERING

Reference product number table for proper ordering code.

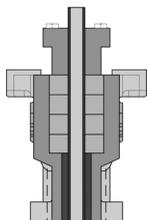
## FEATURES



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

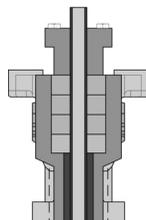
### Standard Packing

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.



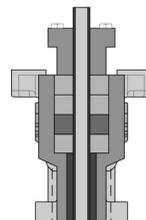
### Gate Wiper

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.

