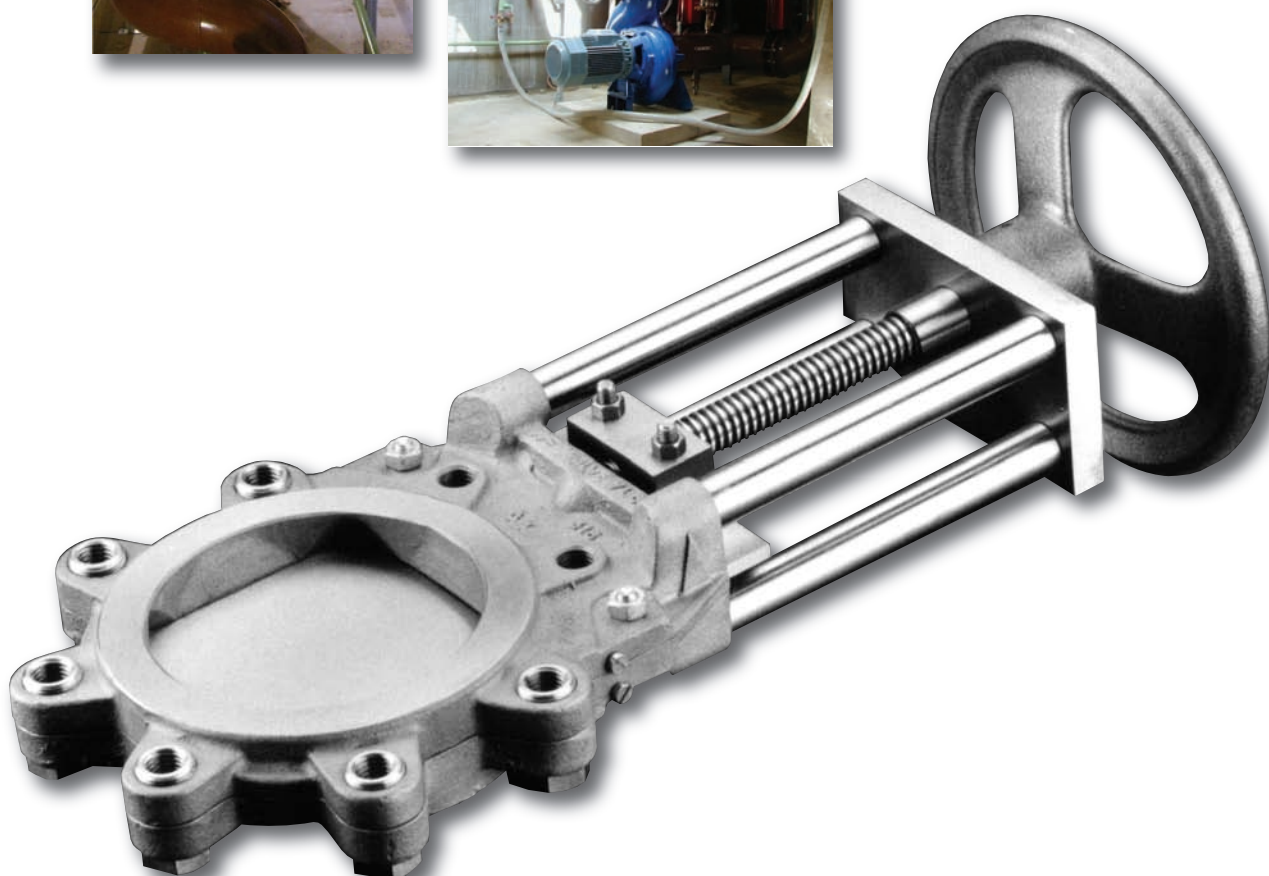




Trademark of SISTAG

## High Performance Knife Gate Valves



# HISTORY AND PHILOSOPHY



The parent company of WEY Valve, Inc. is SISTAG, Absperntechnik located in Eschenbach, Switzerland, which is noted for design excellence and quality. WEY valves have been on the market for over 40 years with sales and service offices worldwide. The WEY brand of knife gate valves was first introduced into North America in the early sixties and sold under the brand name Josam-Wey. Then, in 1987, WEY Valve, Inc. was founded in Nettleton, Mississippi, as the North American sales and manufacturing headquarters for the WEY brand

valve line. Since then, WEY has developed various specialized models of knife gate and shear gate valves to solve specific process problems, raising our customers' performance expectations for a knife gate valve design.

## **MISSION STATEMENT**

First and foremost, WEY Valve strives to maintain a reputation for integrity. We pledge to deal fairly and honestly with our customers, vendors, employees, investors and the public at large. WEY Valve will produce products known for design excellence and high performance. We will service what we sell. WEY Valve is committed to protecting the environment. WEY Valve will strive to provide an employee work environment which is safe, friendly and which provides for career growth opportunity.

## **SALES AND SERVICE**

WEY Valve has over 50 Sales Representative offices located throughout North America. WEY Valve prides itself in solving tough valve application problems for our customers and will always take the time to discuss and recommend valves for specific service conditions. WEY Valve has a staff of customer service representatives and field service technicians to serve our customers from before the sale until many years after valve installation.

At WEY Valve we know from many years of experience that the cheapest valve is not necessarily the most economical long-term valve choice. Our goal is to help our customers increase profit through increased productivity and less process down-time. Our customers have come to depend on us as a resource for assisting them in the valve selection process. Call us; we are able and willing to help you.

# H

## HIGH PERFORMANCE KNIFE GATE VALVES

WEY Valve offers several standard valve models for different applications. All models have unique design features to provide ZERO leakage bi-directional shut-off without jamming. These features include mechanically retained seals, contoured flushing corners in the body, a transverse seal that is repackable in line under full pressure without disassembly of the valve or removing the actuator, and a minimal gate arc to reduce the chest cavity where solids can collect. Several specialty valves are also available for specific applications.



### VL Model (Lugged Design)

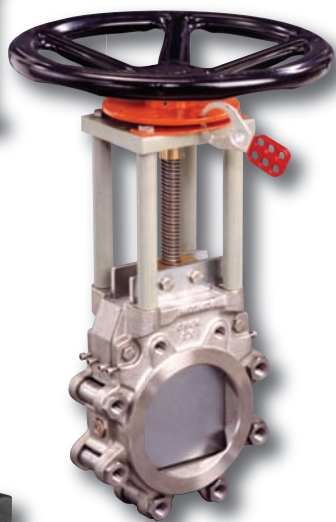
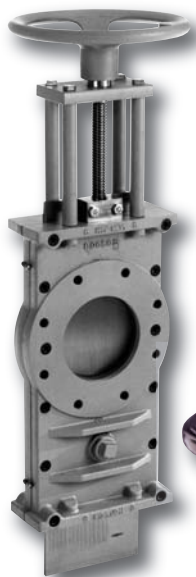
- Solid 316 SS cast lugged body
- 316 SS hard chrome finished gate
- Aflas seals as standard
- 2" – 36" size
- 150 psi CWP design
- 2" – 12" 150 psi shut-off
- 14" – 36" 90 psi shut-off
- Higher pressures available on application
- Other body, gate and seal materials available
- All styles of actuators available

### VS Model (Semi-Lugged Design)

- Solid 316 SS cast semi-lugged body
- 316 SS hard chrome finished gate
- Aflas seals as standard
- 2" – 24" size
- Larger sizes available on application
- 150 psi CWP design
- 2" – 12" 150 psi shut-off
- 14" – 24" 60 psi shut-off
- Other body, gate and seal materials available
- All styles of actuators available

### NA1 Model (Full Flange Design)

- Solid cast Ni-Resist full flanged body
- 316 SS hard chrome finished gate
- Aflas seals as standard
- 2" – 96" size
- 150 psi CWP design
- Higher pressures available on application
- 2" – 24" 150 psi shut-off
- 26" – 30" 90 psi shut-off
- 36" and above shut-off on application
- Other body, gate and seal materials available
- All styles of actuators available



### **SG Model (Shear Gate)**

- Solid cast Ni-Resist full flanged body
- 316 SS hard chrome finished gate
- 2" – 24" size
- Larger sizes available on application
- 150 psi CWP design
- Higher pressures available on application
- 2" – 14" 150 psi shut-off
- 16" – 24" 90 psi shut-off
- Other body, gate and seal materials available
- All styles of actuators available

### **DB Model (Double Block & Bleed)**

- Solid 316 SS cast lugged body
- 316 SS hard chrome finished gate
- Aflas seals as standard
- 2" – 24" size
- 150 psi CWP design
- 2" – 12" 150 psi shut-off
- 14" – 24" 90 psi shut-off
- Other body, gate and seal materials available
- All styles of actuators available

### **TI3 Model (Transmitter Isolation)**

- Solid 316 SS cast lugged body
- 316 SS hard chrome finished gate
- Aflas seals as standard
- 3" size
- 150 psi CWP design
- Other body, gate and seal materials available
- Compact design with non-rising stem fits in standard 18" diameter insulation well
- Standard 1/2" socket drive
- Open/Close OSHA safety lock-out standard

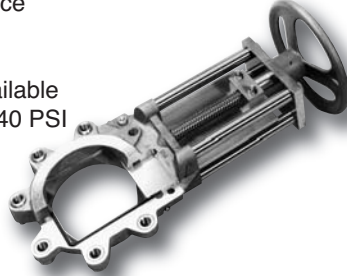
### **A3 Model (Full Flange Class 300 Design)**

- Solid cast Ductile Ni-Resist full flanged body
- 17-4 pH Stainless Steel hardened gate
- Heavy duty Aflas seals as standard
- 2" - 42" size
- Wide face to face
- 640 psi CWP design
- Other body, gate and seal materials available
- All styles of actuators available

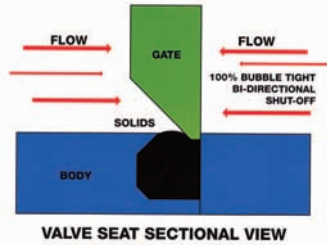


# TOP 10 REASONS TO CHOOSE WEY VALVE

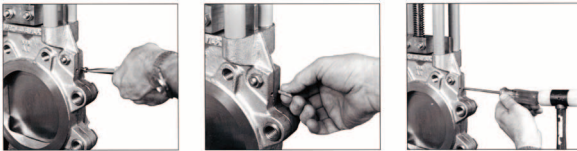
- 1
  - 50 Years Proven High Performance Design
  - Worldwide Service
  - All Industries
  - Sizes 2" to 96"
  - All Materials Available
  - Pressures to 1440 PSI



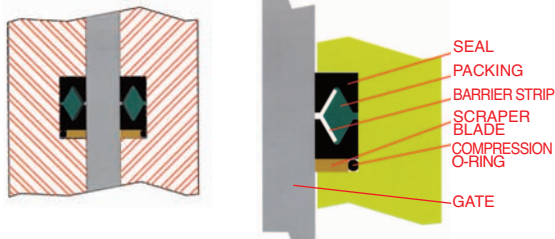
- 2 Tightest Shut-off in the Industry  
Bi-Directional Zero cc/min from 28" HG Vac to Full Pressure Rating (In-Line and to Atmosphere)  
**EXCEEDS ANSI CLASS VI SHUT-OFF**



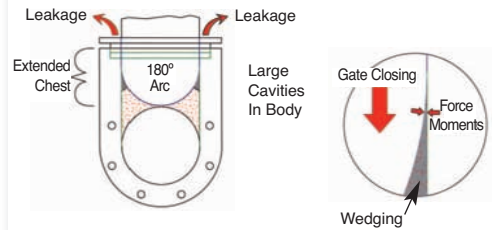
- 3 **TRANSVERSE SEAL**  
Re-Packable under Pressure



- 4 **TRANSVERSE SEAL** Both Sides of Gate  
**TRANSVERSE SEAL** Compensates For Wear

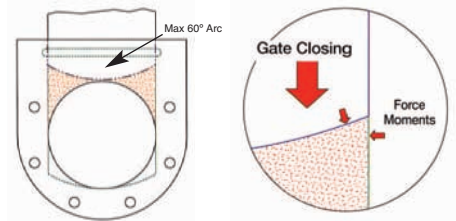


## Ordinary Knife Gate Design Problem



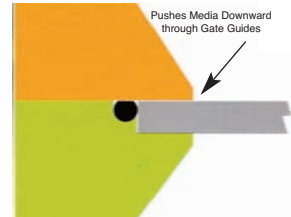
## SOLUTION: WEY Valve's Unique Self-Cleaning Design

- 5 Reduced Chest Maximum 60° Arc on Gate



- 6 Tight Tolerance

- 7 Gate Guided for Full Length of Stroke



- 8 Contoured Bore Promotes Self-Cleaning

Solids pushed ahead of gate are flushed out as velocity increases and gate tip moves into open relief areas in lower bore. Seat is flush fitted with bottom of bore leaving no place for solids to pack.



- 9 No Flush Ports Required!

- 10 Absolute Shut-off Guarantee!

## ACCESSORIES



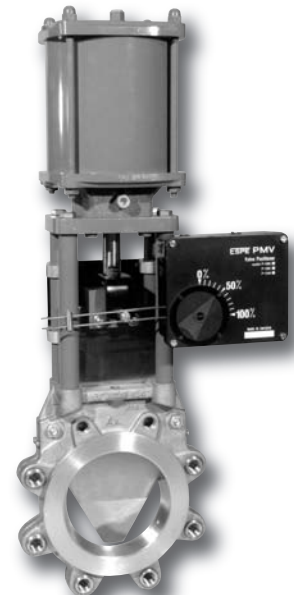
### LIMIT SWITCHES

- Totally enclosed (SPDT)
- NEMA 4 or NEMA 7
- Optional proximity switches available



### SOLENOID VALVE

- NEMA 4 or NEMA 7 (single coil, 120V)
- 3-way or 4-way
- Rigid copper tubing (standard)
- Rigid St. Stl. Tubing (optional)
- Note: Specify valve to open or valve to close when solenoid is energized.



### POSITIONER

- 3-15 PSI OR 4-20 MA
- Note: Specify valve to open or valve to close on increasing signal.
- Note: Valve shown with optional V-Port insert.

## OTHER SPECIALTY WEY VALVES



**Model VK**  
Square and Rectangle Valves



**Model HD**  
High Pressure Knife Gate Valve  
(to 1440 psi)



**Model HSI**  
High Speed  
Isolation Valve

ALL INFORMATION IN THIS PUBLICATION PRESENTED FOR REFERENCE ONLY AND SUBJECT TO CHANGE

## REPRESENTED BY:

**WEY**<sup>®</sup>

Trademark of SISTAG

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