

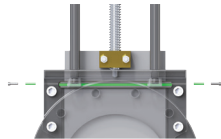
Reasons to choose a Wey Knife Gate Valve

TRANSVERSE SEAL

Unique transverse seal eliminates stuffing box and permits repacking under full pressure and without system shutdown. Available in a variety of seal configurations for tough applications.



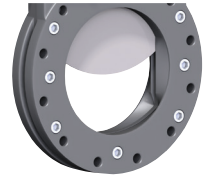
See live demonstration



CONTOURED BODY BORE

Contoured hydrodynamic interior body design promotes flushing to prevent buildup of deposits in seating area.

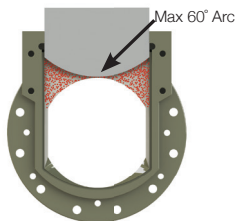
Contoured seat design allows process to flush out solids that are pushed ahead of the gate in the seat groove while closing.



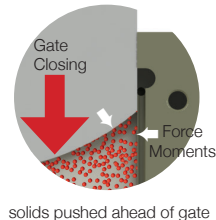
MINIMIZED CHEST AREA & GATE GEOMETRY

Wey Solution

Reduces Chest Area



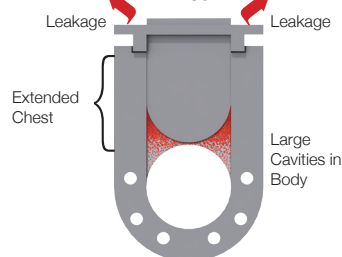
No Jamming



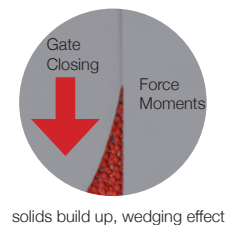
VS

Standard Knife Gate Valve Problem

Extended Chest Area

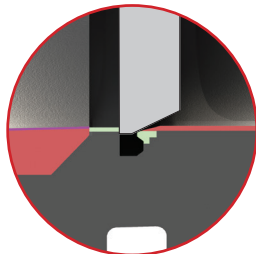


Jamming



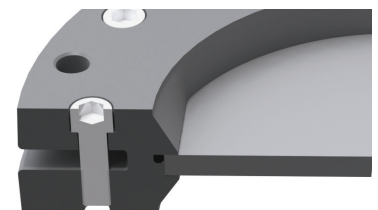
MECHANICALLY RETAINED RESILIENT SEAT

Mechanically retained resilient seal insures bubble-tight shut-off with pressure on either side of gate. Seal will not pull out of specially machined dovetail groove. Additional overlay and wear ring options in bore area provide extended service life.



MACHINED GATE GUIDES FOR FULL LENGTH OF STROKE

Gate is guided in machined groove with large diameter seal mechanically retained to seal gate edge. This design provides dual metal/resilient seating and gate support with pressure from either side of gate.



Section view - sides of valve

RUGGED TOPWORKS DESIGN

Solid steel or stainless steel topworks design provides maximum strength to prevent damage due to operator abuse or vibrating conditions. The topworks is designed to withstand 5x maximum operating forces. Rugged topworks available in three different styles:

- Yoke design
- 4-post design
- Fully enclosed bonnet design



Bonnet design

PRECISE MACHINING TOLERANCES

Precision machining insures parts interchangeability, reliability, tighter sealing and ease of operation. Twenty-first century modern state-of-the-art CNC production technology adds quality without adding costs.

LOW COST EASY RESTORATION

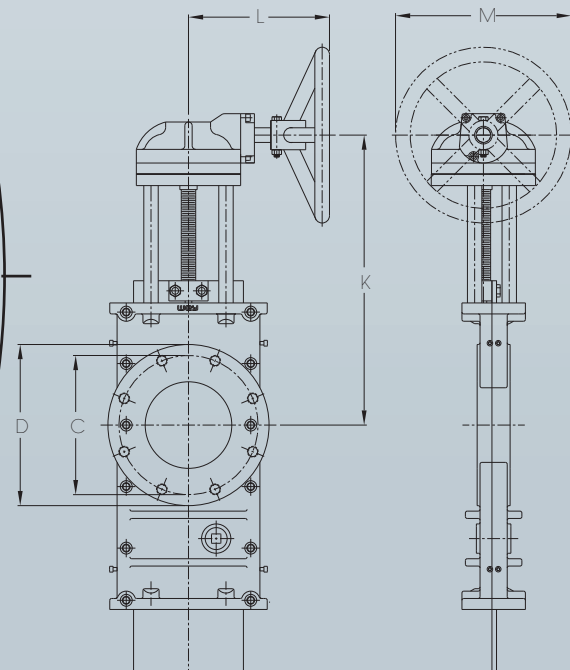
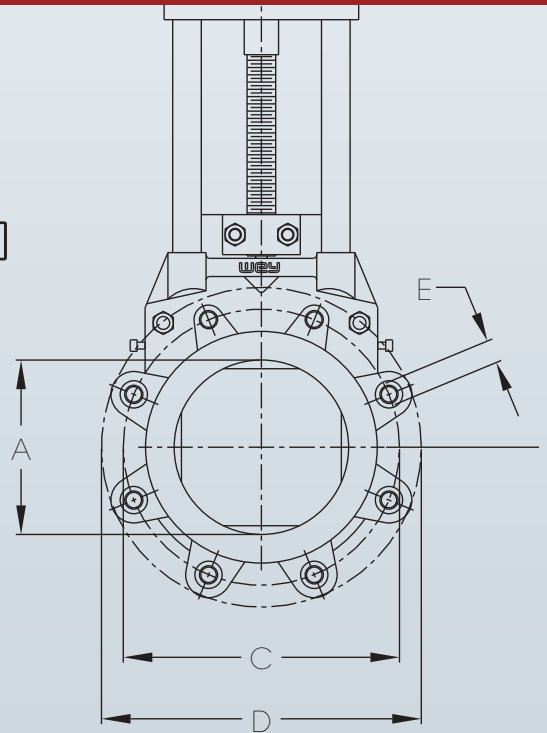
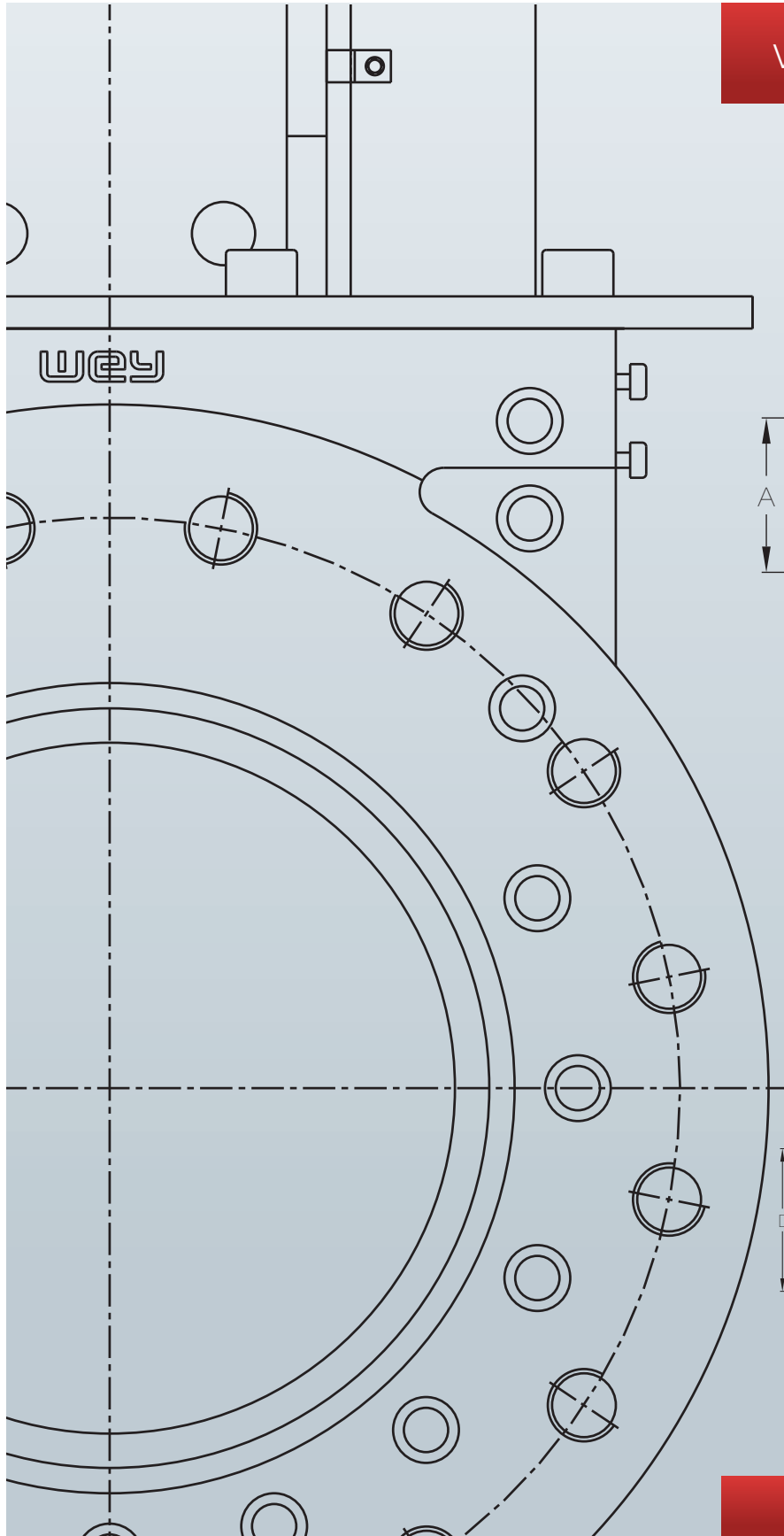
Wey Knife Gate Valves are not "throw-away" valves. The split body design combined with low cost seal replacement kits makes restoration easy. This simple procedure doubles the valve life with the purchase of seal kit for as little as 10% of the original valve.

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

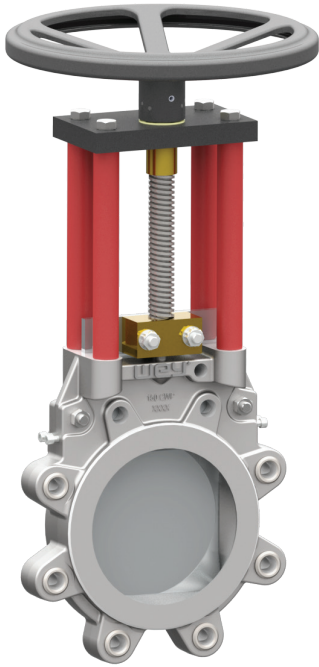
Wey High Performance Knife Gate Valves

Valve Innovation Management



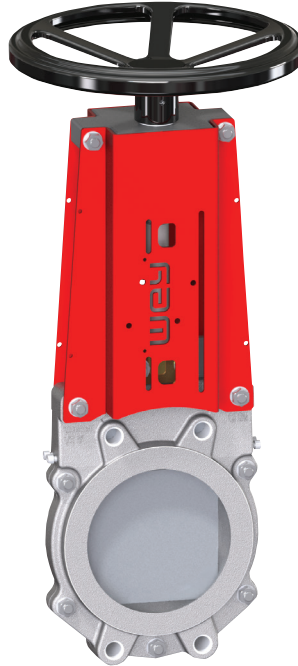
Wey High Performance Knife Gate Valves

Wey Valve offers several standard valve models for different applications. All models have unique design features to deliver best performance in class. 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. All resilient seated models provide zero leakage bi-directional shut-off without jamming. Several specialty valves are also available for specific applications.



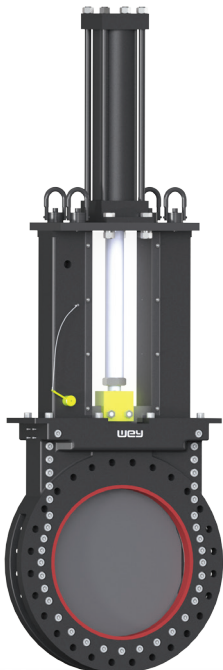
**Model VL
(Full Lug Design)**

- Solid 316 SS cast lugged body
- 316 SS hard chrome finished gate
- Aflas® seals as standard
- 2" - 36" size
- Face-to-face and flange bolting per MSS-SP81
- 150 psi CWP design
- 2" - 12" 150 psi shut-off
- 14" - 36" 90 psi shut-off
- Higher pressure ratings available
- Other body, gate and seal materials available
- All styles of actuators available
- Various accessories available



**Model VS
(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
- Various accessories available



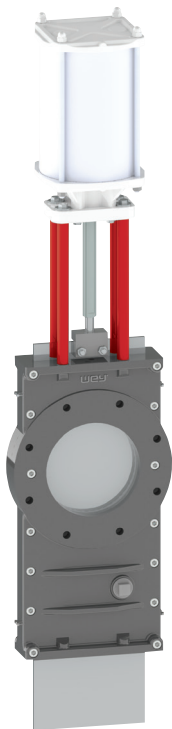
**Model A3, W0, W1, W2 & W3
(Full Flange Design)**

- Solid ductile Ni-Resist full flanged body
- 17.4 PH gate
- Aflas® seals as standard
- 2" - 90" size (ASME B16.34 Class 150)
- 2" - 54" size (ASME B16.34 Class 300)
- Other body, gate and seal materials available
- All styles of actuators available
- Various accessories available



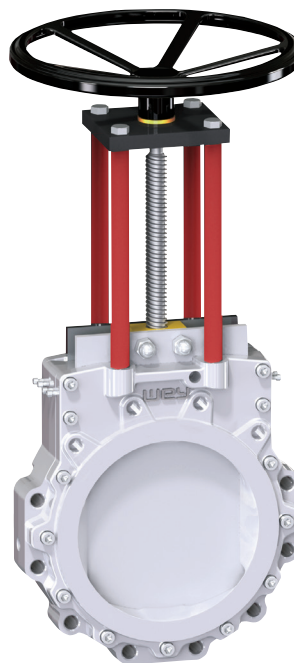
**Model VM
(Full Lug Design)**

- Solid Ductile Iron lugged body
- 304 SS gate
- NBR seals as standard
- 2" - 24" size
- 150 psi CWP design
- 2" - 24" 150 psi shut-off
- Other gate and seal materials available
- All styles of actuators available
- Various accessories available



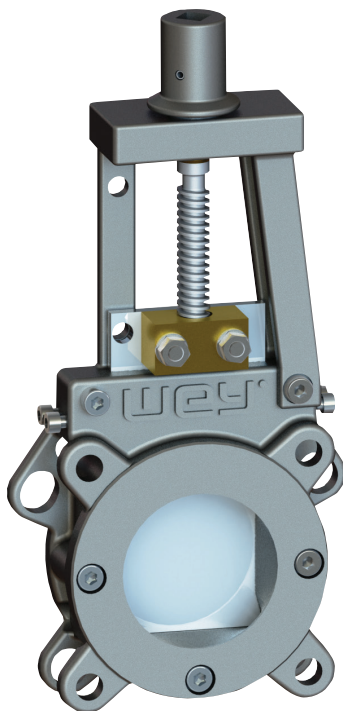
Model SG (Shear Gate)

- Solid cast Ni-Resist full flanged body
- Hardened 440 gate with hardened 410 seat
- 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
- Various accessories available



Model DB (Double Block & Bleed)

- Solid 316 SS cast lugged body
- 316 SS hard chrome finished gate
- Aflas® seals as standard
- 3" - 30" size
- 150 psi CWP design
- 3" - 12" 150 psi shut-off
- 14" - 30" 90 psi shut-off
- 3 purge ports between gates at 3, 6, and 9 o'clock positions
- Other body, gate and seal materials available
- All styles of actuators available
- Various accessories available



Model TI3 (Transmitter Isolation)

- Solid 316 SS cast lugged body
- 316 SS hard chrome finished gate
- Aflas® seals as standard
- 3" size
- 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

Actuator & Accessories

Actuator Options

Handwheel
Chainwheel
Square drive nut
Manual bevel gear
Pneumatic cylinder
Hydraulic cylinder
Electric actuator

Accessories

Solenoid
Mechanical limit switches
Proximity switches
Wear ring
Pneumatic positioner
Electronic positioner
V-port insert

Lock-out
Position indication scale
OSHA yoke guard
Scale cutter
Weyotone shear cutter
Powder-Pac option

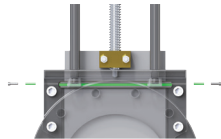
Reasons to choose a Wey Knife Gate Valve

TRANSVERSE SEAL

Unique transverse seal eliminates stuffing box and permits repacking under full pressure and without system shutdown. Available in a variety of seal configurations for tough applications.



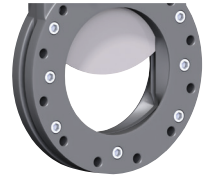
See live demonstration



CONTOURED BODY BORE

Contoured hydrodynamic interior body design promotes flushing to prevent buildup of deposits in seating area.

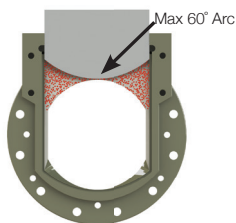
Contoured seat design allows process to flush out solids that are pushed ahead of the gate in the seat groove while closing.



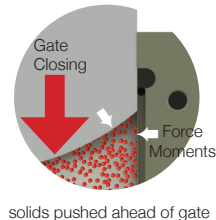
MINIMIZED CHEST AREA & GATE GEOMETRY

Wey Solution

Reduces Chest Area



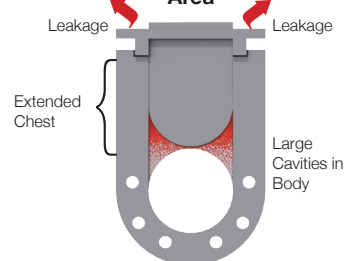
No Jamming



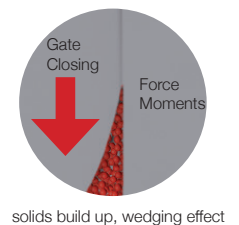
VS

Standard Knife Gate Valve Problem

Extended Chest Area

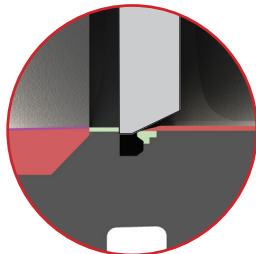


Jamming



MECHANICALLY RETAINED RESILIENT SEAT

Mechanically retained resilient seal insures bubble-tight shut-off with pressure on either side of gate. Seal will not pull out of specially machined dovetail groove. Additional overlay and wear ring options in bore area provide extended service life.



MACHINED GATE GUIDES FOR FULL LENGTH OF STROKE

Gate is guided in machined groove with large diameter seal mechanically retained to seal gate edge. This design provides dual metal/resilient seating and gate support with pressure from either side of gate.



Section view - sides of valve

RUGGED TOPWORKS DESIGN

Solid steel or stainless steel topworks design provides maximum strength to prevent damage due to operator abuse or vibrating conditions. The topworks is designed to withstand 5x maximum operating forces. Rugged topworks available in three different styles:

- Yoke design
- 4-post design
- Fully enclosed bonnet design



Bonnet design

PRECISE MACHINING TOLERANCES

Precision machining insures parts interchangeability, reliability, tighter sealing and ease of operation. Twenty-first century modern state-of-the-art CNC production technology adds quality without adding costs.

LOW COST EASY RESTORATION

Wey Knife Gate Valves are not "throw-away" valves. The split body design combined with low cost seal replacement kits makes restoration easy. This simple procedure doubles the valve life with the purchase of seal kit for as little as 10% of the original valve.

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

Wey History and Philosophy

The parent company of Wey Valve, Inc. is SISTAG AG, located in Eschenbach, Switzerland, which is noted for design excellence and quality. Wey valves have been on the market for over 50 years with sales and service offices worldwide. The Wey knife gate valve brand 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 Knife Gate 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

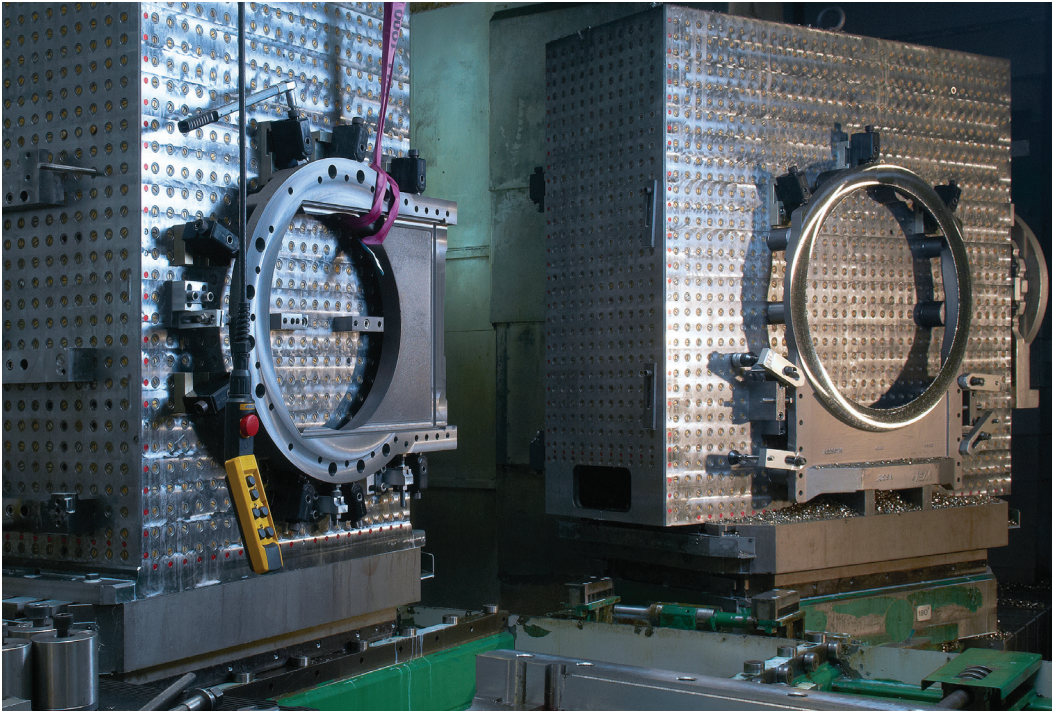
design excellence and high performance. We will service what we sell. Wey Valve is committed to protecting the environment. Wey Valve will strive to provide an employee work environment that is safe, friendly and provides for career growth opportunity.



Sales and Service

Wey Valve has over 30 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.



Large part machining
with a 2 pallet CNC
machining center



Flexible manufacturing
system with integrated
material management

Your contact

PEP 
SERVING THE MOUNTAIN WEST
PROCESS ENGINEERED PRODUCTS
Since 1980 "The Measurement and Control Specialists"
Web: www.pep-co.com Phone: 801-292-5020