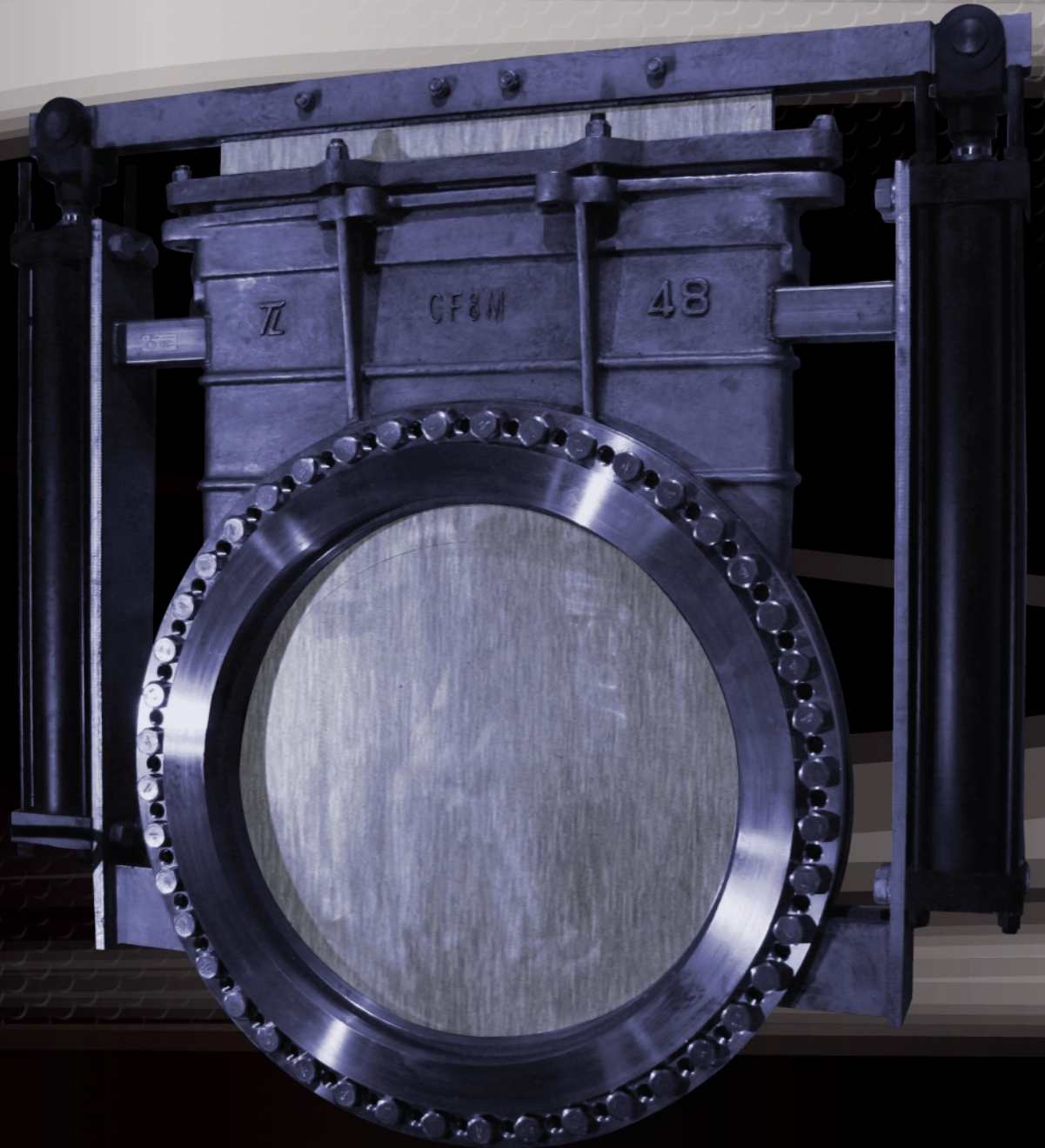




TRUELINE®



SPECIALTY ENGINEERED PRODUCTS

INDEX

Cast Scavenger Service Knife Gate Valve (Fig. F8112)	2-3
Machined from Plate 'O' Port Knife Gate Valve (Fig. F8120)	4-5
Machined from Plate Knife Gate Valve (Fig. F8112)	6-7
Automation and Custom Options	8-9
Hardening Processes	10

Trueline Valve Corporation is ISO9001:2008 registered manufacturer of valves. Trueline, for many years, has provided industry with Specially Engineered products. Our products have been selected by most of the world's leading mining and engineering construction firms and industrial end users. Today, our valves are installed throughout the world, handling various applications in industries such as Pulp & Paper, Chemical Plants, Petrochemical and Mining.

Trueline is totally committed to provide the highest level of customer satisfaction by producing and distributing high quality products that exceed customer expectations.



SERVICE APPLICATION

Pulp and paper industry • Chemical Plants • Steel Mills • Petrochemical • Sewage Treatment Industry



CAST SCAVENGER SERVICE KNIFE GATE VALVE

2" to 48"

Fig. F8112

- ⇒ Cast bodies extra heavy to sustain pipe stress and pressure up to 225 psig (2" – 16" investment cast)
- ⇒ Flanges match ANSI B16.5 standard.
- ⇒ HT-65 Scraper seat design standard on scavenger service knife gate valves.
- ⇒ Gate & seats materials will be selected for optimum life cycle depending on abrasion, number of cycles, corrosion and temperature.
- ⇒ When vibration is a problem consult factory for optional stanchion material.
- ⇒ Full lug body.
- ⇒ Available in various materials:

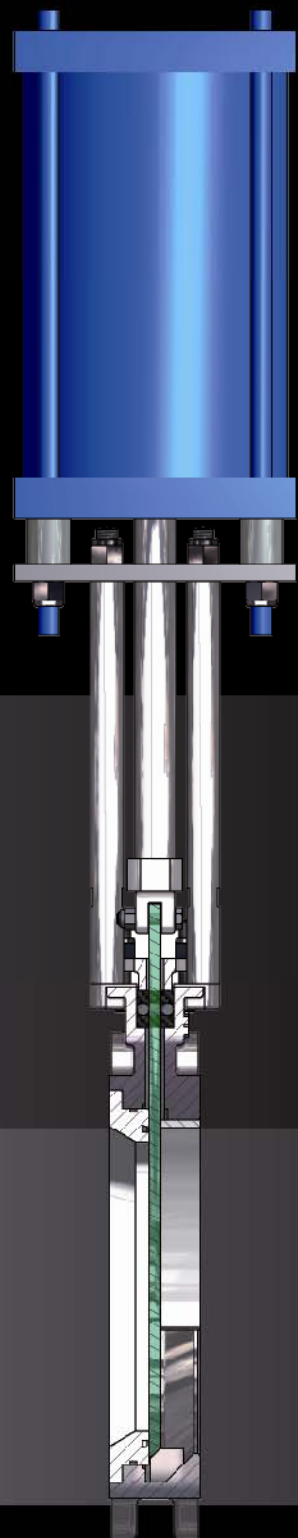
- | | |
|-----------------------|-----------------|
| 1. CF8/SS 304 | 9. 254 SMO |
| 2. CF3/SS 304L | 10. 654 SMO |
| 3. CF8M/SS 316 | 11. Titanium |
| 4. CF3M/SS 316L | 12. Hastelloy B |
| 5. CG8M/SS 317 | 13. Hastelloy C |
| 6. CG3M/SS 317L | 14. Inconel 600 |
| 7. A536/ Ductile Iron | 15. Inconel 800 |
| 8. Duplex 2205 SS | 16. Zirconium |



SPECIALTY ENGINEERED PRODUCTS

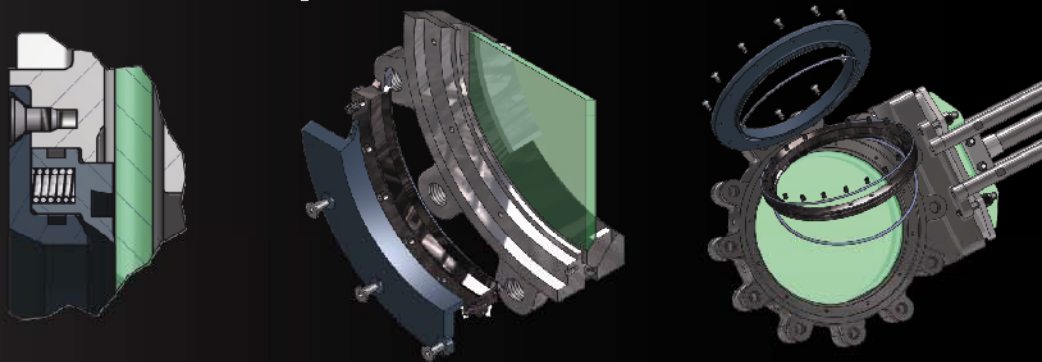
CAST SCAVENGER SERVICE KNIFE GATE VALVE

Fig. F8112

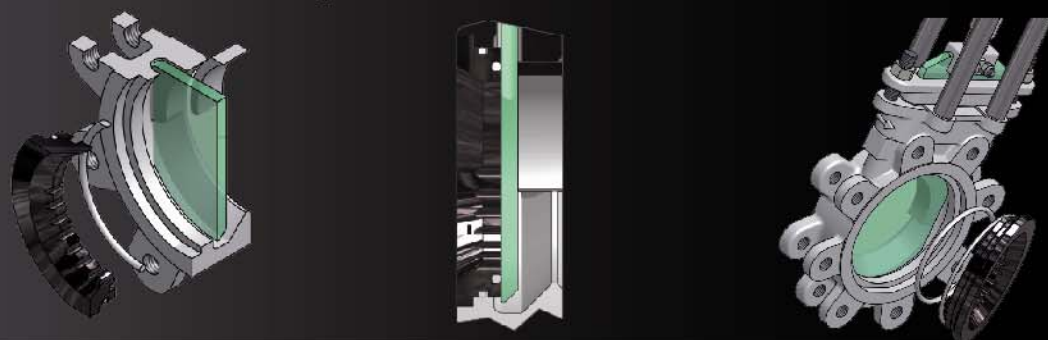


- Wire cutter seat design specifically engineered for extended performance on dumping applications, built to withstand wires, nails and other hard solids.
- Renewable tapered seat design to direct the flow of process towards the centre of the pipe on heavy slurry.
- Renewable live loaded seat design, give zero leakage performance and self compensating for wear and gate deflection.
- Dual renewable resilient seat for bidirectional tight shut-off.
- Square outlet option for Round by Square application.
- Vee port or diamond port for throttling service.
- Available accessories: positioners, limit switches, manual override, solenoids, chainwheel, gear operator, etc.

Live Loaded seat Design



Wire Cutter Seat Design



Tapered Seat Design

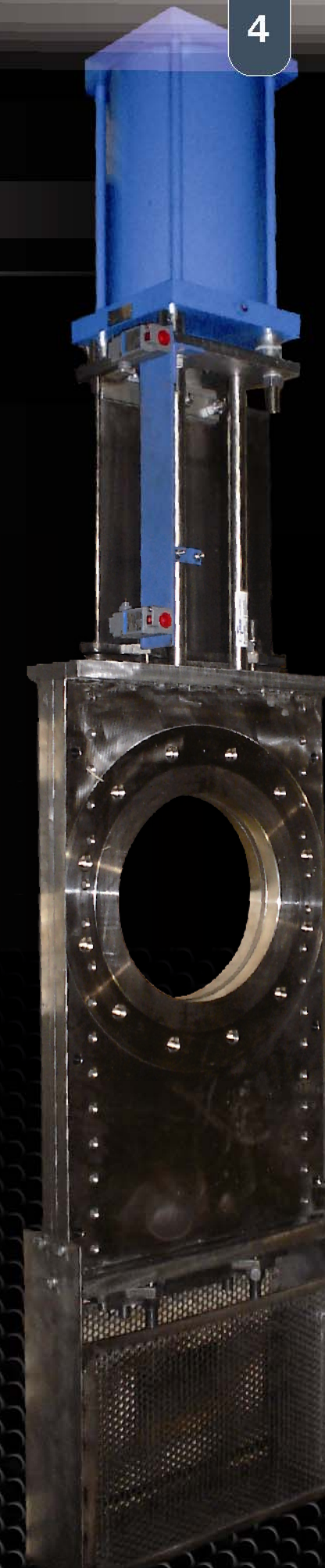
MACHINED FROM PLATE 'O' PORT KNIFE GATE VALVE CLASS 150, 300 & 600

2" to 48"

Fig. F8120

- Valve body fully machined from plate.
- Full port through conduit design.
- Bolt pattern are machined to meet all world standards (ANSI B16.5, DIN, JIS, AS 2129, etc.) and any other custom made bolt pattern.
- Gate & seats materials will be selected for optimum life cycle depending on abrasion, number of cycles, corrosion and temperature.
- Optional HT-65, HT-2200, TiCr-1100, HCr-72 or other hardening processes will be selected according to customer specific requirements.
- Available in various materials:

- | | | | |
|----|----------------|-----|---------------|
| 1. | CF8M/SS 316 | 8. | Titanium |
| 2. | CF3M/SS 316L | 9. | Hastelloy B |
| 3. | CG8M/SS 317 | 10. | Hastelloy C |
| 4. | CG3M/SS 317L | 11. | Inconel 600 |
| 5. | Duplex 2205 SS | 12. | Inconel 800 |
| 6. | 254 SMO | 13. | Zirconium |
| 7. | 654 SMO | 14. | Exotic Alloys |



MACHINED FROM PLATE 'O' PORT KNIFE GATE VALVE CLASS 150, 300 & 600 2" to 48"

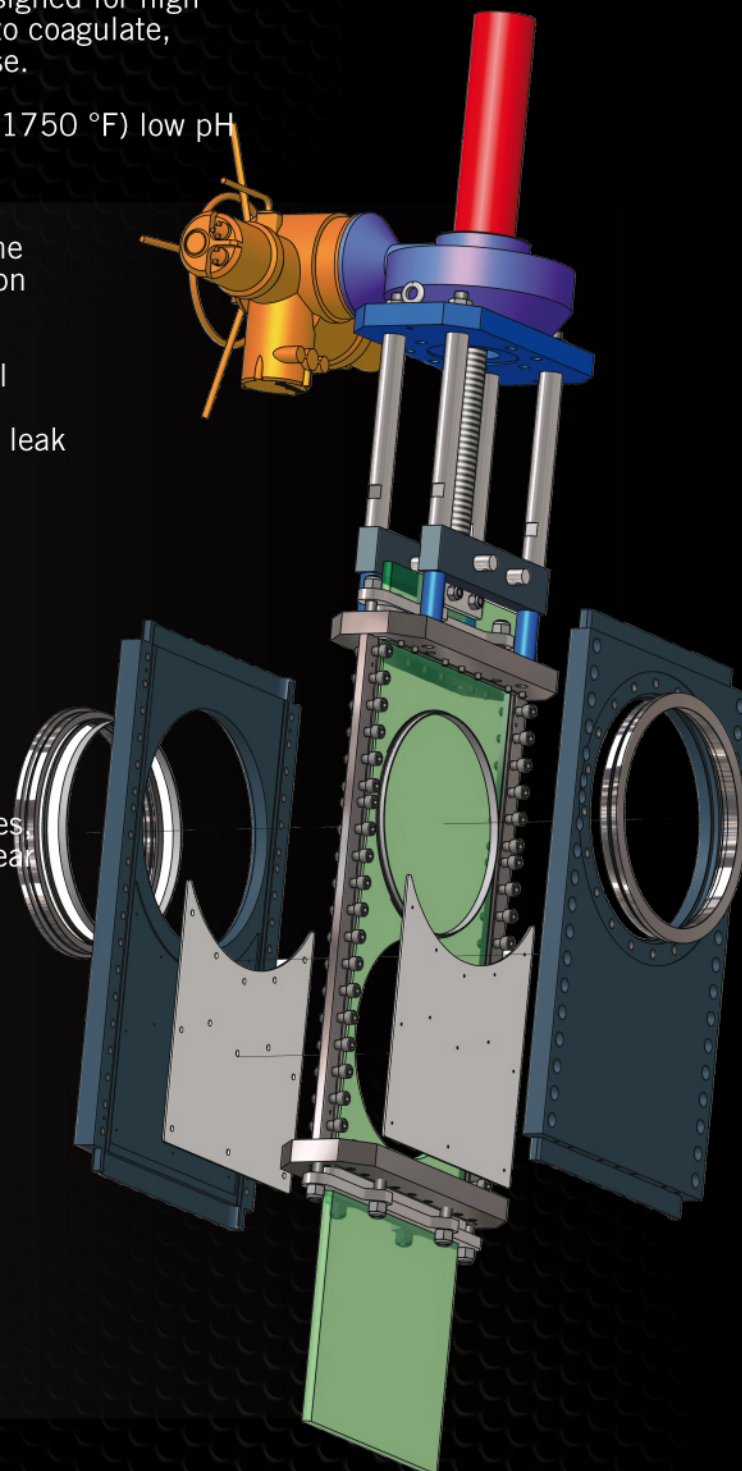
Fig. F8120

'O'-port knife gate valve design is specifically designed for high pressure service, abrasive processes which tend to coagulate, crystallize and require high torque to open & close.

This design works very well at high temperature (1750 °F) low pH acids where corrosion and erosion is a factor.

- Dual renewable tapered seat design to direct the flow of process towards the center of the pipe on heavy slurries.
- Renewable live loaded seat design with integral scraper (optional dual seats depending on the application) to provide long life and repeatable leak tight performance.
- Wire cutter seat design option available.
- Dual renewable resilient seats for bidirectional tight shut-off (zero leakage on high pressure).
- Non-shouldering option available.
- Vee port or diamond port for throttling service.
- Available accessories: positioners, limit switches, manual override, solenoids, chainwheel, and gear operator, etc.
- Available with various operators such as :

1. Epoxy coated ductile iron handwheel
2. Chainwheel
3. Bevel gears
4. Pneumatic cylinder
5. Electric actuator
6. Self containing hydraulic cylinder

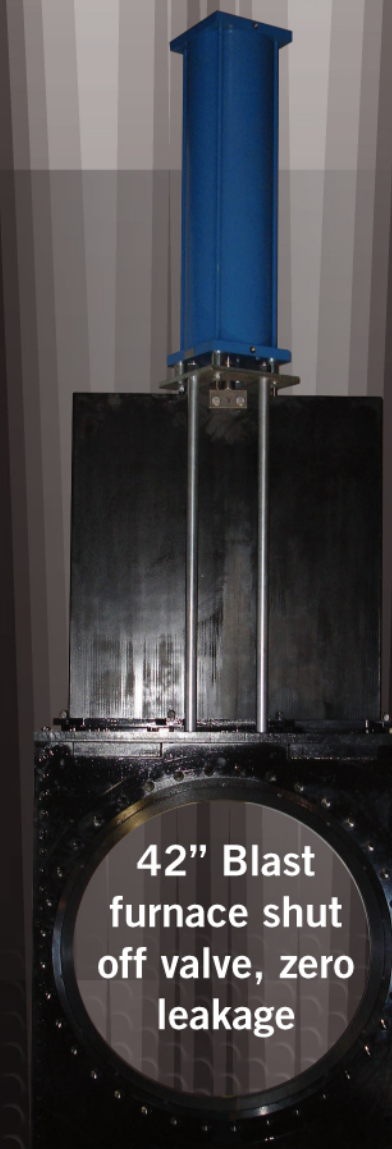


MACHINED FROM PLATE KNIFE GATE VALVE 2" to 48"

Fig. F8112

- Valve body fully machined from plate.
- Standard knife gate valve (also available in full port).
- Bolt pattern are machined to meet all world standards (ANSI B16.5, DIN, JIS, AS2129, etc.) and any other custom made bolt pattern.
- Gate & seats materials will be selected for optimum life cycle depending on abrasion, number of cycles, corrosion and temperature.
- Optional HT-65, HT-2200, TiCr-1100, HCr-72 or other hardening processes will be selected according to customer specific requirements.
- Removable bottom plate for easy maintenance while valve is in line.
- Available in various materials:

- | | |
|-----------------------|-----------------|
| 1. CF8M/SS 316 | 8. 654 SMO |
| 2. CF3M/SS 316L | 9. Titanium |
| 3. CG8M/SS 317 | 10. Hastelloy B |
| 4. CG3M/SS 317L | 11. Hastelloy C |
| 5. A536/ Ductile Iron | 12. Inconel 600 |
| 6. Duplex 2205 SS | 13. Inconel 800 |
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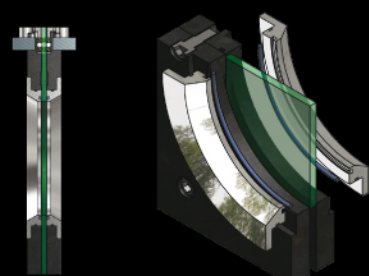
MACHINED FROM PLATE KNIFE GATE VALVE

Fig. F8112

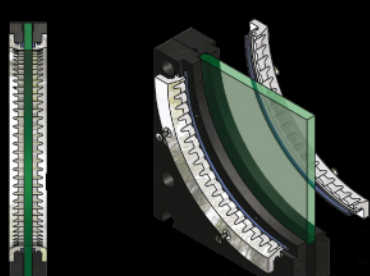
Fully machined, knife gate valve for fan pumps and high pressure applications.

- = Dual renewable tapered seat design to direct the flow of process towards the center of the pipe on heavy slurries.
- = Renewable live loaded seat design with integral scraper (optional dual seats depending on the application) to provide long life and repeatable leak tight performance.
- = Wire cutter seat design, specifically engineered for extended performance on dumping applications, built to withstand wires, nails and other hard solids.
- = Dual renewable resilient seats for bidirectional tight shut-off (zero leakage on high pressure).
- = Non-shouldering option available.
- = Vee port or diamond port for throttling service.
- = Available accessories: positioners, limit switches, manual override, solenoids, chainwheel, gear operator, etc.

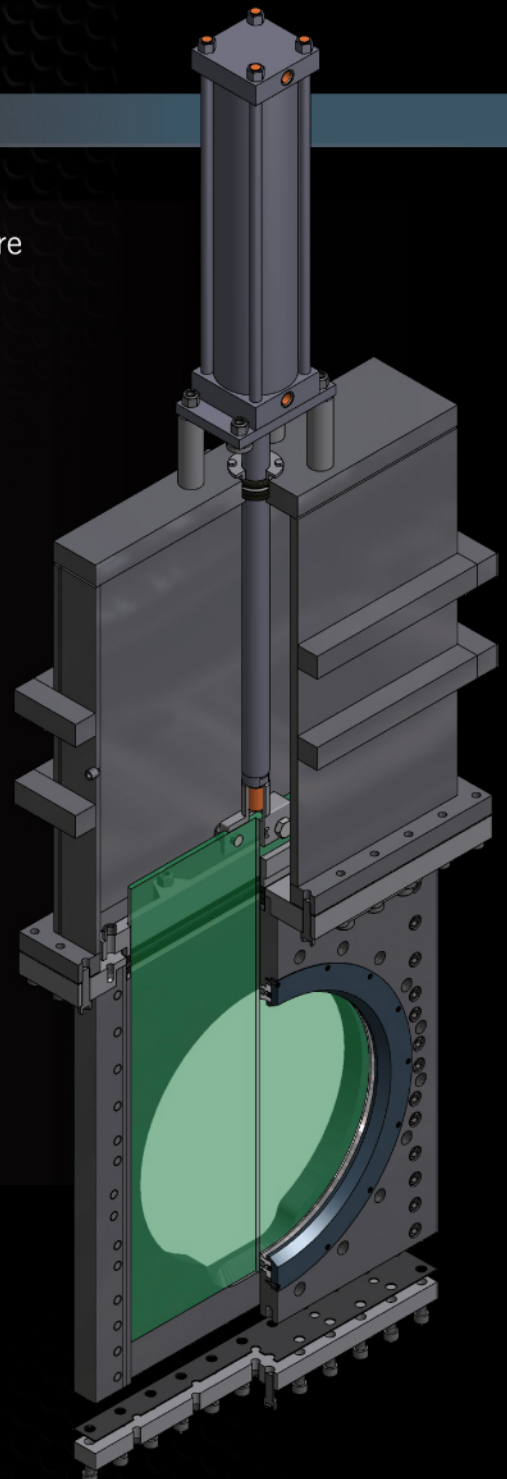
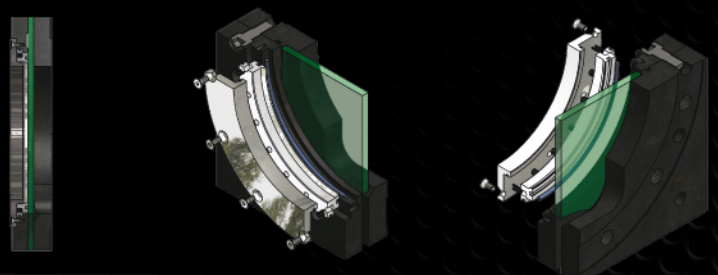
Tapered Seat Design



Wire Cutter Seat Design



Live Loaded Seat Design



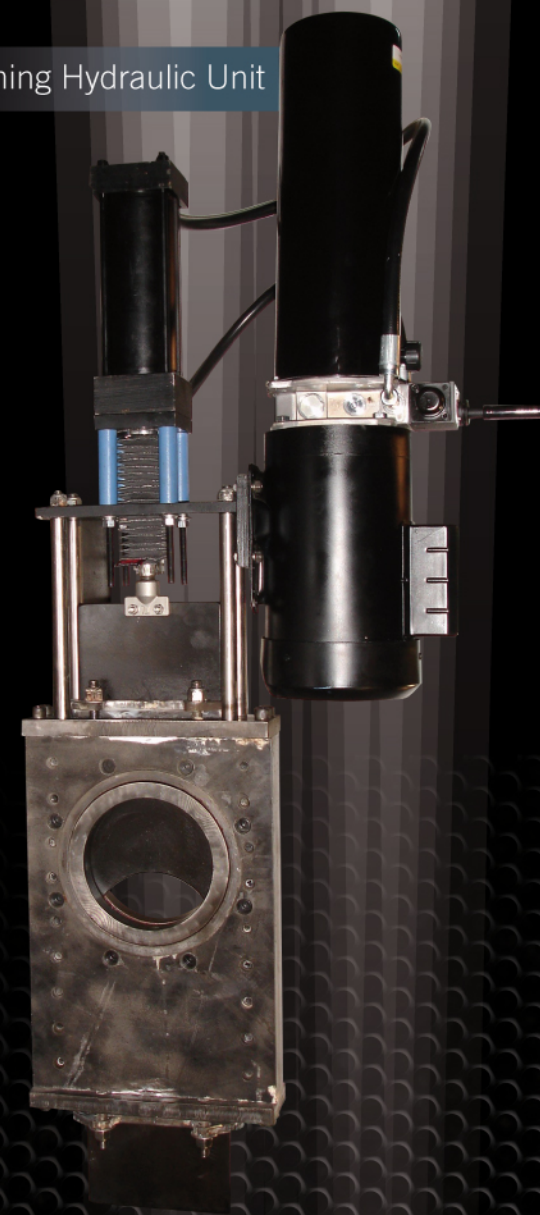
Removable bottom plate for easy access for cleaning while valve is in line.

AUTOMATION AND CUSTOM OPTIONS

Pneumatic Cylinder



Self Containing Hydraulic Unit

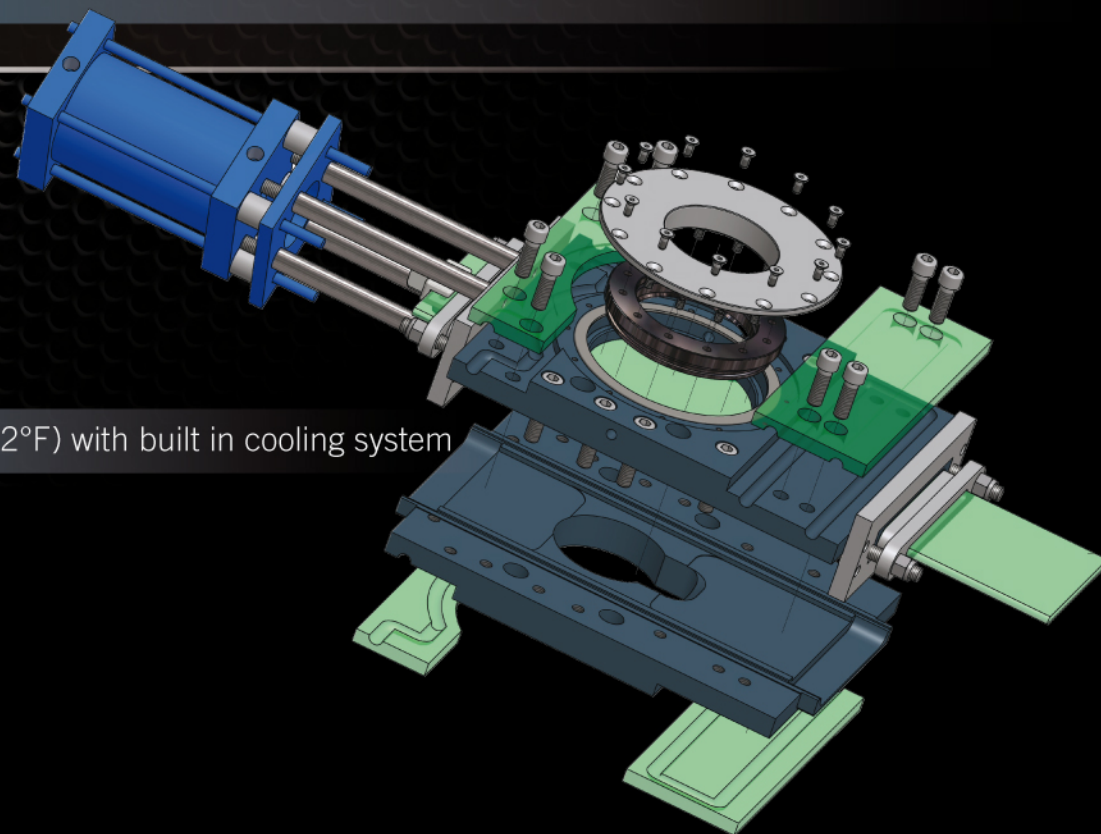


Gear Drive with Pneumatic Motor for Non-Rising Stem Valves

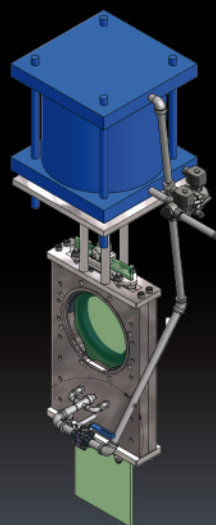


Electric Actuator

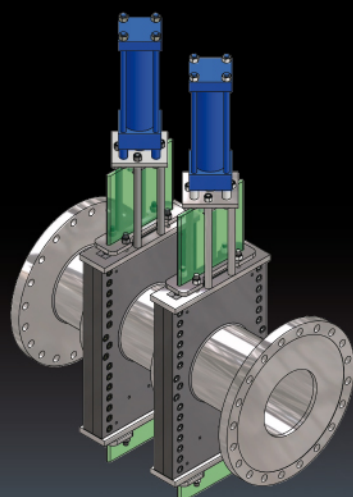




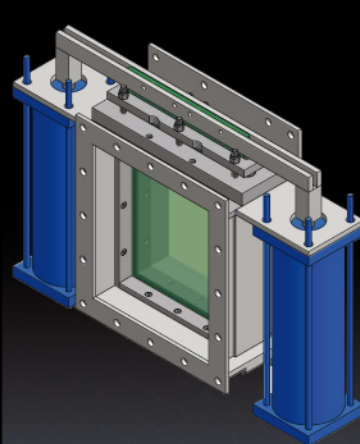
High temperature valve (1542°F) with built in cooling system



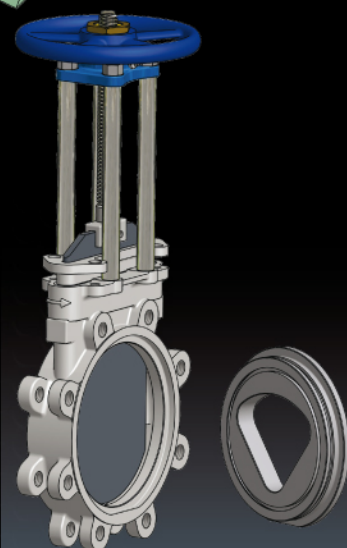
Custom valve with non shouldering option and flush ports



Valve designed specifically to customer specifications



Square valve with dual cylinders



Valve with renewable Vee port seat (45°, 60° or 75°)

HARDENING PROCESSES

Treatments can be applied to :
Valve Parts · Knife Gates · Ball & Seats

HT-65

HT-65 is a thermal chemical diffusion process wherein ferrous parts are heat treated at 1050°F through an appropriate formulation to assure the interface of the materials being processed. The intrinsic properties of HT-65 is it's relatively low coefficient of friction as well as the degree of lubricity in both the dry state as well as under lubrication. This highly lubricious process prevents stainless materials from galling and once HT-65 is applied the surface becomes Rockwell 70 in hardness on the "C" scale.

- Highly resistant to wear, seizure and corrosion.
- Durable at high temperature.
- Very low coefficient of friction.

HT-2200

HT-2200 is a diffusion process during which the metal surface is diffused with a hardening material at high temperatures (800°C to 1000°C). The optimum feature of HT2200 is the extreme hardness, HV = 1700-2200 at temperature range 1600°F or 872°C.

TiCr-1100

This treatment is generally applied on exotic alloys where corrosive and abrasive conditions exist.

Temperature Range: 100°C ~ 540°C.
Optimum Temperature: 350°C ~ 500°C.
Hardness Rockwell 53 on the "C" scale.

HCr-72

This treatment is generally applied on hard surface materials (i.e. H900 or 410 etc) where abrasion and corrosion resistance is required without using exotic base materials. It can also be applied on all exotic alloys.

Temperature Range: 100°C - 500°C
Optimum Temperature: 175°C to 200°C
Hardness Rockwell 72 on the "C" scale.



T **RUELINE**®

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