



Purified Terephthalic Acid (PTA)

Specialised Knife Gate Valves for the
Purified Terephthalic Acid Industry



ITT

ITT Valve Capabilities for PTA

ITT is a global leader with 65 years of experience in the design, manufacture and fabrication of engineered valves. ITT's leadership has resulted in vast experience with fluid handling, with precise expertise in specialised knife gate valves. Over the years we have developed a unique range of valves dedicated to the Purified Terephthalic Acid (PTA) industry. Supported by our facilities around the world, ITT truly is a global manufacturer, supplier and industry leader.

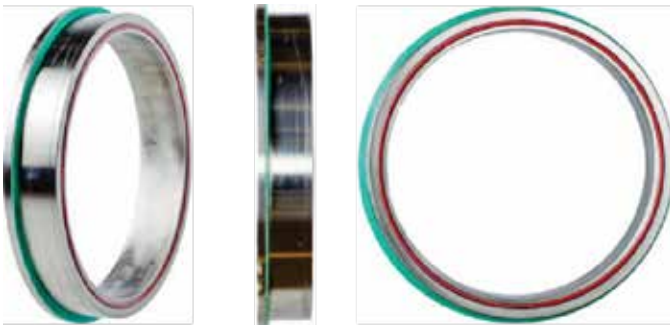
ITT understands that each PTA plant has different (but specific) production requirements. We approach each customer with the confidence that ITT has the correct product to fulfill even the greatest challenges in valve applications. Accordingly, ITT's knife gate valve range is designed with built-in flexibility and quality to meet the most critical process requirements.



ITT Offers Solutions

ITT Engineered Valves offers broad solutions for your application needs. Our valves are designed for:

- Powder isolation
- Solid column isolation
- Critical closure times
- Fail safe shutdown
- Fire safe requirements
- Partial stroke testing
- Slurry transportation
- Corrosion resistance
- Emission containment
- Bespoke operational requirements



Replaceable seats

Specialised Knife Gate Valves for the PTA Industry

Fabri-Valve C/F37

The C/F 37 is ITT's workhorse for the PTA industry. It is available in a wide range of body and seat materials suitable for the most critical applications in the PTA industry. Common materials of construction are 304L, 316L, 2205 Duplex and PTFE, Viton, EPDM respectively.

- Sizes up to DN 2400 (96")
- Pressures up to 10.3 bar (150 psi)*
- Temperatures up to 816° C (1,500° F)
- DN and ANSI flange drilling
- * Higher pressures on application



Fabri-Valve C/F134

The C/F 134 is a bonneted knife gate valve for minimising or eliminating fugitive emissions.

- Sizes up to DN 2400 (96")
- Pressures up to 10.3 bar (150 psi)*
- Temperatures up to 1,093.3° C (2,000° F)
- DN and ANSI flange drilling
- * Higher pressures on application



Specialised Knife Gate Valves for the PTA Industry

Fabri-Valve HD150/300

The HD150/300 is specifically designed for the most severe and critical high pressure applications.

- Sizes up to DN 900 (36")
- Pressures up to 51 bar (740 psi)
- Temperatures up to 427° C (800° F)
- ANSI Class 150/300 design
- DN and ANSI flange drilling
- Pneumatic and electrical actuation

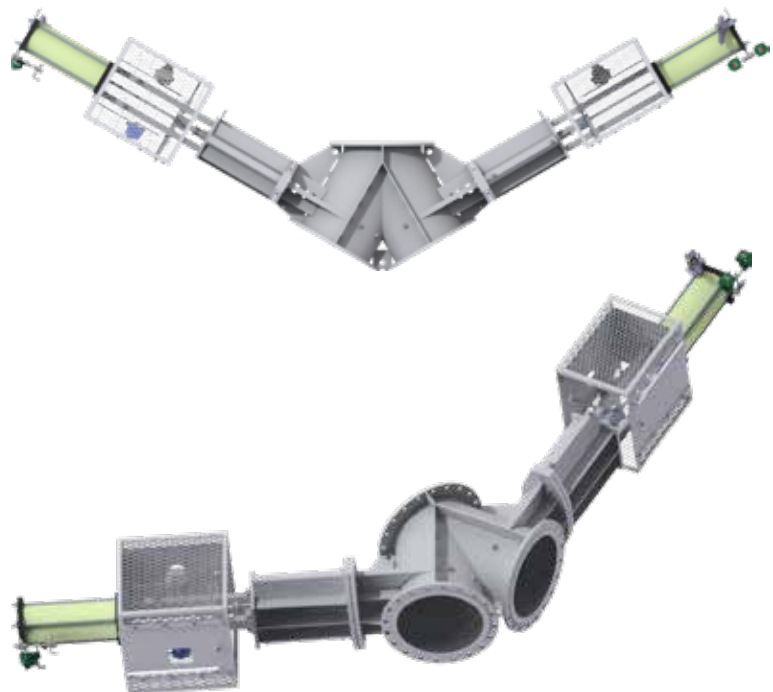


Fabri-Valve F44 Divert Valve

By utilising a single fabrication, the F44 knife gate valve replaces two standard knife gate valves and a "Y" pipe.

This arrangement minimises product hold up within the valve as the dead leg that occurs in a conventional two valve arrangement is eliminated.

- Sizes up to DN 1200 (48")
- Pressures up to 10.3 bar (150 psi)
- Temperatures up to 204° C (1,500° F)
- Custom face to face and flange drilling



Specialised Knife Gate Valves for the PTA Industry

Fabri-Valve F39

The F39 closes through a solid column of particles and powders. It provides dependable shut-off even in a static column of solid particles and powders. The optional diamond port configuration permits throttling solids.

- Designed for:
 - Sizes up to DN 2400 (96")
 - Pressures up to 10.3 bar (150 psi)
 - Temperatures up to 1,093.3° C (2,000° F)
 - DN and ANSI flange drilling



Custom Fabricated Silo Valves

Specialising in fabricated valve designs, ITT has the flexibility to apply the best suited valve design and material for each application.

In addition to our standard ported knife gate valves manufactured to ANSI and DN standards, ITT can manufacture specific rectangular and square silo valves to meet your exact dimensional needs. These valves remove the need for round to square adapters, which create dead space between your silo and your pipeline that can cause contamination in your process.

Your ITT representative, will be happy to discuss your particular bespoke needs.



Specialised Knife Gate Valves for the PTA Industry

Control Systems

With our extensive experience designing and supplying complex control systems, ITT has the expertise to custom-build systems tailored to meet the critical requirements of the PTA industry.

Actuation

ITT provides:

- Pneumatic – spring return/double acting
- Hydraulic – 1500/3000 psi
- Electric – All voltages and phases



Custom Control Panel Designs

ITT can custom engineer control panels to meet specific application needs such as:

- Closure times
- Fail safe shutdown
- Fire safe requirements
- Partial stroke testing
- Backup tanks and systems
- Bespoke operational requirements



Visit our website at
www.engvalves.com

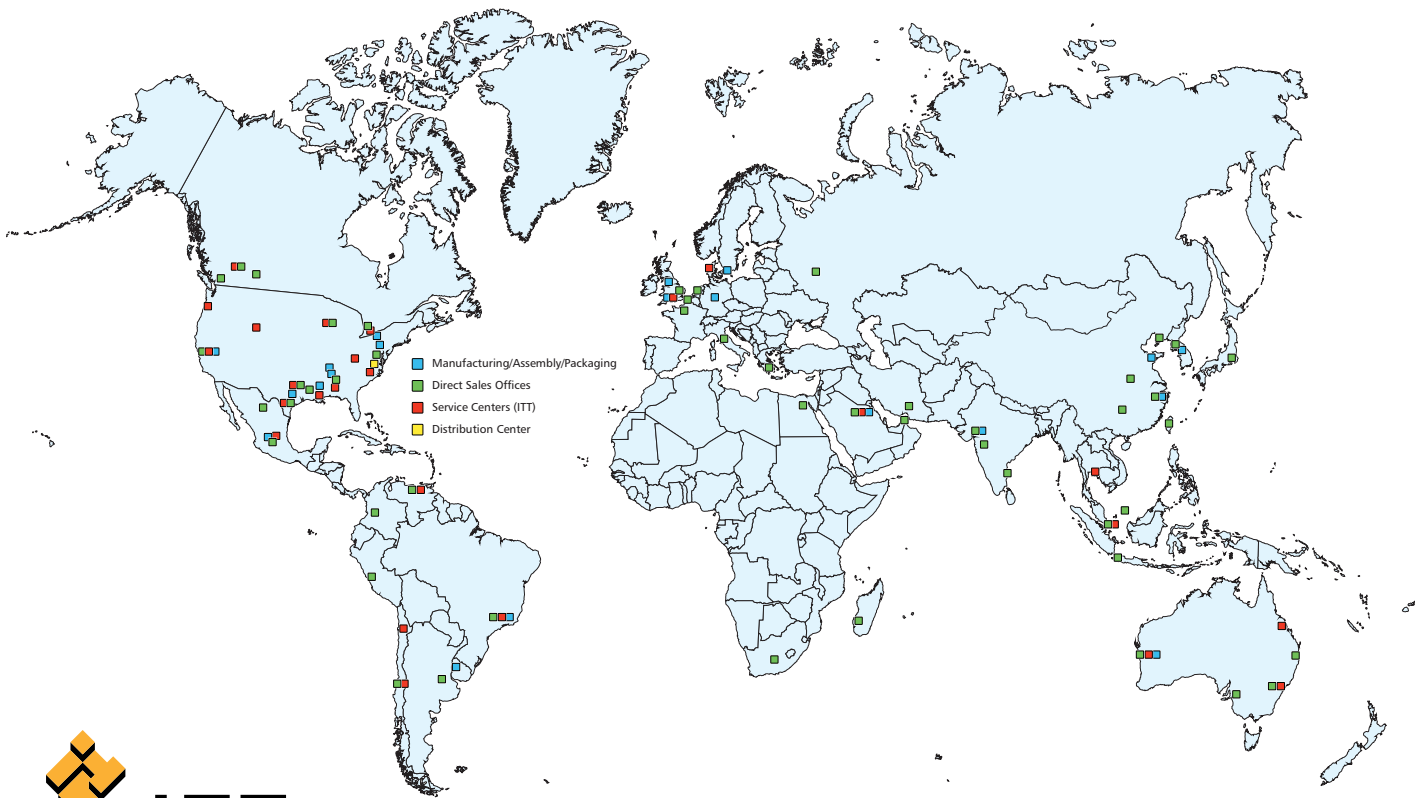
Think global. Act local.

Today, a global presence means being there locally, directly at the customers' side. Whether it is in PTA, Mining, Chemical, Pharmaceutical, Nuclear, Power, Water, Pulp and Paper, Oil and Gas or many other markets, the name "ITT Industrial Process" stands for excellence, dependability, and quality.

ITT IP is a global technology leader in its respective fields and markets. Helping our customers reach their goals is one of the most important principles of ITT IP. We utilise

our engineering capabilities for the creation and construction of high quality valves and pumps. Our many years of experience allow us to design and manufacture features in our products that other companies offer as options.

The technological competence and wide product portfolio of our company form the foundation for ITT's high-quality range of complete and integrated solutions for valves and pumps.



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Cam-Line, Cam-Tite, Dia-Flo,
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