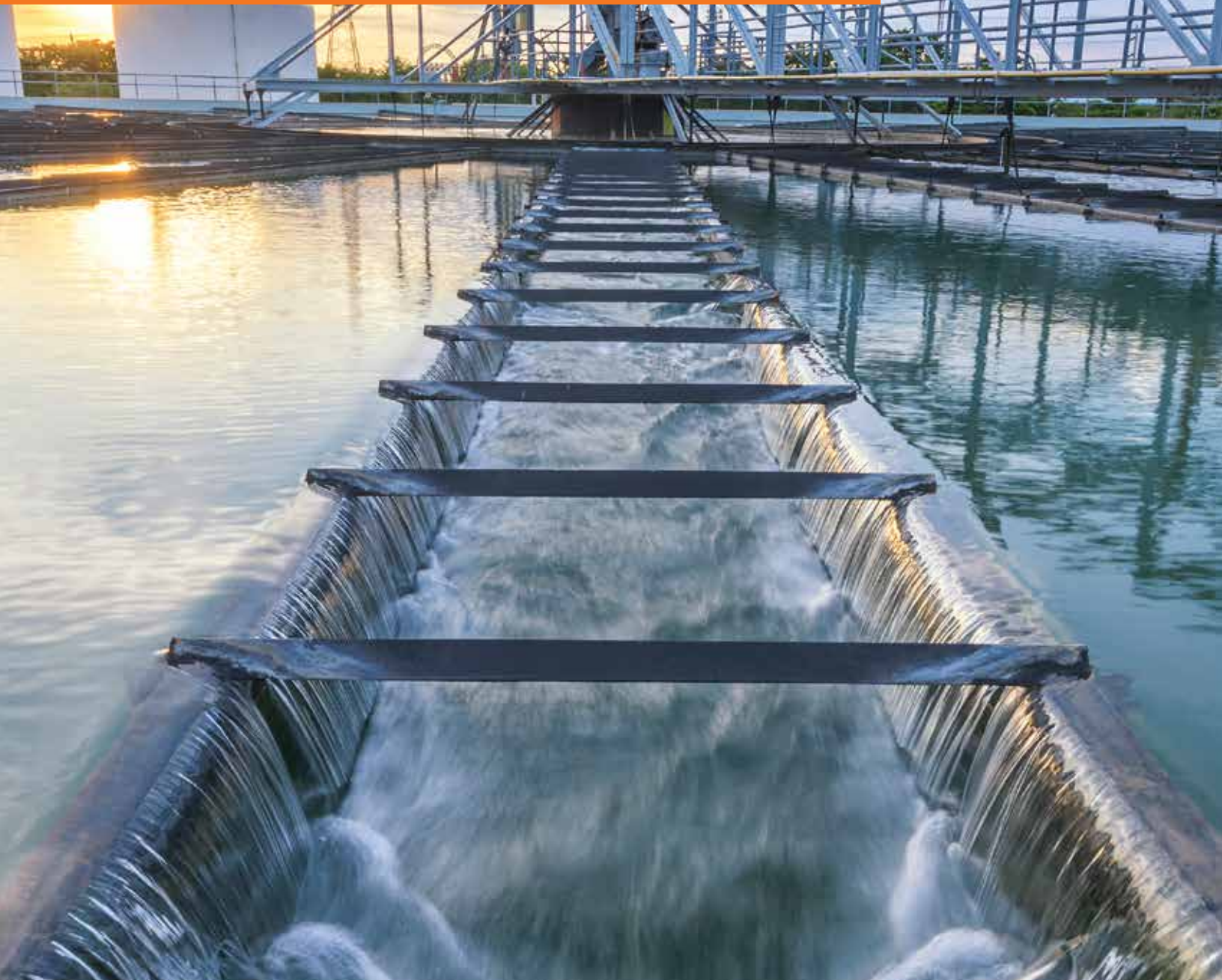


Water & Wastewater

Quality valve products designed specifically
for the municipal industry



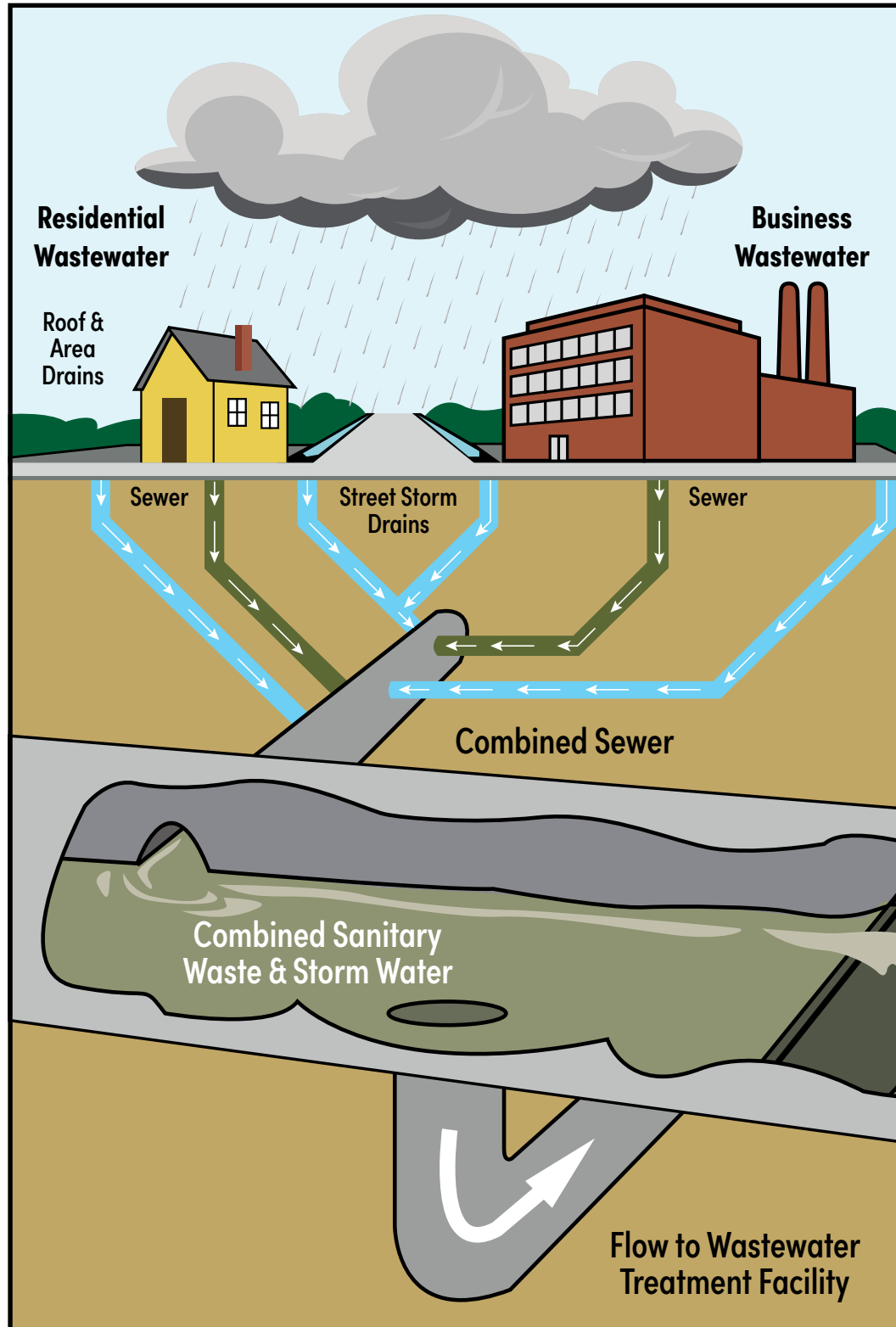
ITT

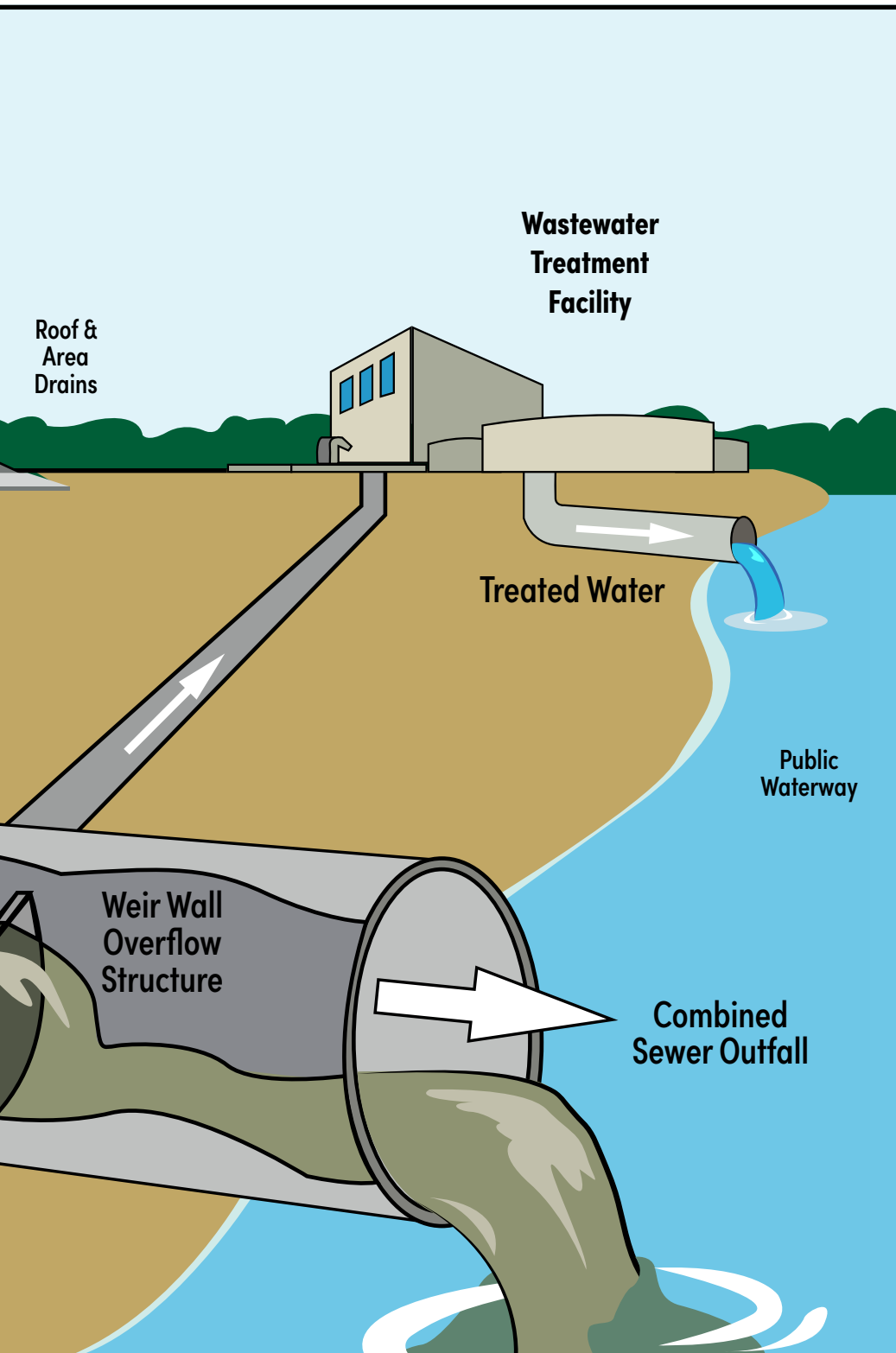
 **Engineered
Valves**

Introduction

ITT Engineered Valves has significant experience in the application of its products to the water and wastewater industry. Our brand of Fabri-Valve® knife gate valves are well known throughout the industry and have been specified for many services. Whether it is a large diameter knife gate for a pumping station or a smaller diameter valve on a filter press, ITT supplies both custom designed and standard products to its municipal customers.

Our Dia-Flo® industrial diaphragm valves are used to solve problems associated with corrosive, erosive, and abrasive media and can be found in many applications in water and wastewater treatment, including chemical treatment, filtration, and sludge handling. Our Cam-Tite® ball valve is the ideal choice for chlorine service for water conditioning and odor control.





Whether you are struggling with smaller available footprint or weight concerns, ITT Fabri knife gate valves can help. The knife gate is used when no other design can handle the job. With a Total Cost of Ownership unsurpassed by any other valve design, let us help you save money today and in the future.

ITT Dia-Flo diaphragm valves are available in a wide variety of metals, solid plastics, plastic, rubber, and glass linings. Due to the versatility in available body and diaphragm materials, Dia-Flo diaphragm valves are commonly used to handle sludge and chemical applications in sewage treatment and water purification. Common applications for Dia-Flo diaphragm valves are: Coagulation, Dechlorination in Disinfecting, Disinfection, Filtration, pH Control, Softening, Taste & Odor Removal, and Sludge Transfer.

Any combination of Dia-Flo diaphragm valves will provide the basic design features of: in-line maintenance, bonnet isolation, streamlined fluid passage, positive bubble tight closure and economic operation with little or no maintenance.





C/F37 Heavy Duty Knife Gate Valve

The Fabri-Valve Figure 37 is the most reliable knife gate valve in the industry. With over 65 years of service, you can trust the 37 to handle the job.

Size Range: 1.5" – 134"

Pressure Rating: 1.5"-24": 150 psi. | 24"-134": Mfg. to Spec | Designs available up to 750 psi.

Temperature Rating: 450°F Standard; Designs available up to 1800°F

Flange Drilling: ANSI 125/150 Standard

Operators: Handwheel, Gear, Pneumatic, Hydraulic, Electric



C/F134 Bonneted Knife Gate Valve

The Fabri-Valve Figure 134 bonneted knife gate valve is used in difficult and buried services to provide high cycle stem sealing and long maintenance intervals.

Size Range: 1.5" – 134"

Pressure Rating: 1.5"-24": 150 psi. | 24"-134": Mfg. to Spec | Designs available up to 750 psi.

Temperature Rating: 450°F Standard; Designs available up to 2000°F

Flange Drilling: ANSI 125/150 Standard

Operators: Handwheel, Gear, Pneumatic, Hydraulic, Electric



OM150 Urethane Lined Knife Gate Valve

The Fabri-Valve OM150 Urethane Lined Knife Gate Valve provides an economical solution for abrasive and corrosive applications.

Size Range: 2" – 24"

Pressure Rating: 150 psi. max

Temperature Rating: 170°F standard liner | 230°F High Temp Liner

Flange Drilling: ANSI 125/150 Standard

Operators: Handwheel, Gear, Pneumatic, Hydraulic, Electric



F71 Wedge Gate Valve

The Fabri-Valve F71 bonneted can offer significant cost savings by allowing the customer to select materials of construction piece by piece.

Size Range: 3" – 84"

Pressure Rating: 1.5"-24": 150 psi. | 24"-134": Mfg. to Spec | Designs available up to 750 psi.

Temperature Rating: 500°F Standard; Designs available up to 1800°F

Flange Drilling: ANSI 125/150 Standard

Operators: Handwheel, Gear, Pneumatic, Hydraulic, Electric



Dia-Flo[®] Diaphragm Valve

Dia-Flo[®] diaphragm valves are an economical solution for various water and wastewater applications due to their versatility in body and diaphragm materials.

Capable of handling clear fluids as well as slurries, diaphragm valves are well suited for corrosive, abrasive and clogging services.

The common Dia-Flo valve utilized in clear fluids are weir type diaphragm valves with PP (Polypropylene) / ETFE lining and EPDM / PTFE diaphragms. In slurries, Dia-Flo straightway style valves are abrasion resistant with a non-clogging design to handle sewage, sludge, scum and grit.

Size Range: 1/2" – 12"

Pressure Rating: 200 psi. max

Temperature Rating: 350°F max

End Connections: Flanged, Weld End, Threaded

Materials of Const: Unlined, Plastic/Rubber/Glass Lined, Solid Plastic



Cam-Tite[®] Ball Valve

Cam-Tite ball valves are engineered to provide the very best performance in demanding hazardous and corrosive applications. The unique non-spherical ball mechanically compresses both upstream and downstream seats to provide a tight, dependable seal independent of line pressure.

- Minimizes pressure on seats to reduce cold flow and extend seat life.
- Eliminates the problem of "breakaway torque" in valves that must rest in the open position for long periods.
- Assures positive sealing regardless of line pressure or pressure differential.
- Avoids seat damage caused by the leading edge of the port cutting into the seat as the ball closes.

Size Range: 1/2" – 6"

Pressure Rating: Class 150 | 300 | 600

Temperature Rating: 550°F max

End Connections: Flanged, Weld End, Threaded

Materials of Const: Carbon Steel, Stainless Steel, Alloy 20, Monel, Hastelloy C, Nickel, Inconel



Cam-Line[®] Ball Valve

The unique Cam-Line trunnion ball valve was designed to overcome problems inherent in conventional lined plug and ball valves (high operating torque and stem leakage). The design objective was to produce a lined quarter-turn valve that is easy to operate with positive shut off at high and low pressures. To provide a reliable stem seal design, every Cam-Line valve comes with a low emission stem seal packing design.

Size Range: 3/4" – 6"

Pressure Rating: 250 psi. max

Temperature Rating: 250°F max

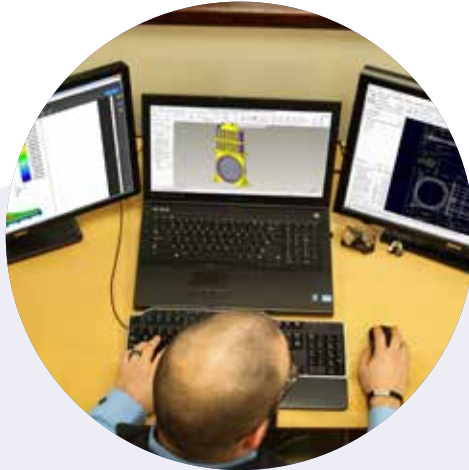
End Connections: Flanged

Materials of Const: Ductile Iron, ETFE Lined

Capabilities

With over 65 years of valve experience, ITT Engineered Valves knows what it takes to service the municipal industry. From developing new products to assuring the highest quality of supply, ITT is focused on providing it customers with the support needed for a successful project.

ENGINEERING:



- 3D modeling
- Finite element analysis
- Computational flow analysis
- Compliance to:
 - ANSI - NACE
 - ASME - MSS
 - ASTM - Other standards
 - AWWA

RESEARCH and DEVELOPMENT:



- New product design
- Comprehensive lab testing
- Elastomer formula development
- Material analysis
- Burst testing
- Flow loop testing

CUSTOMER CENTRIC PROJECT SUPPORT:

- Application assistance
- Specification development
- Budget proposals
- Detailed drawings
- Project management
- Field training
- Field service support

MANUFACTURING:



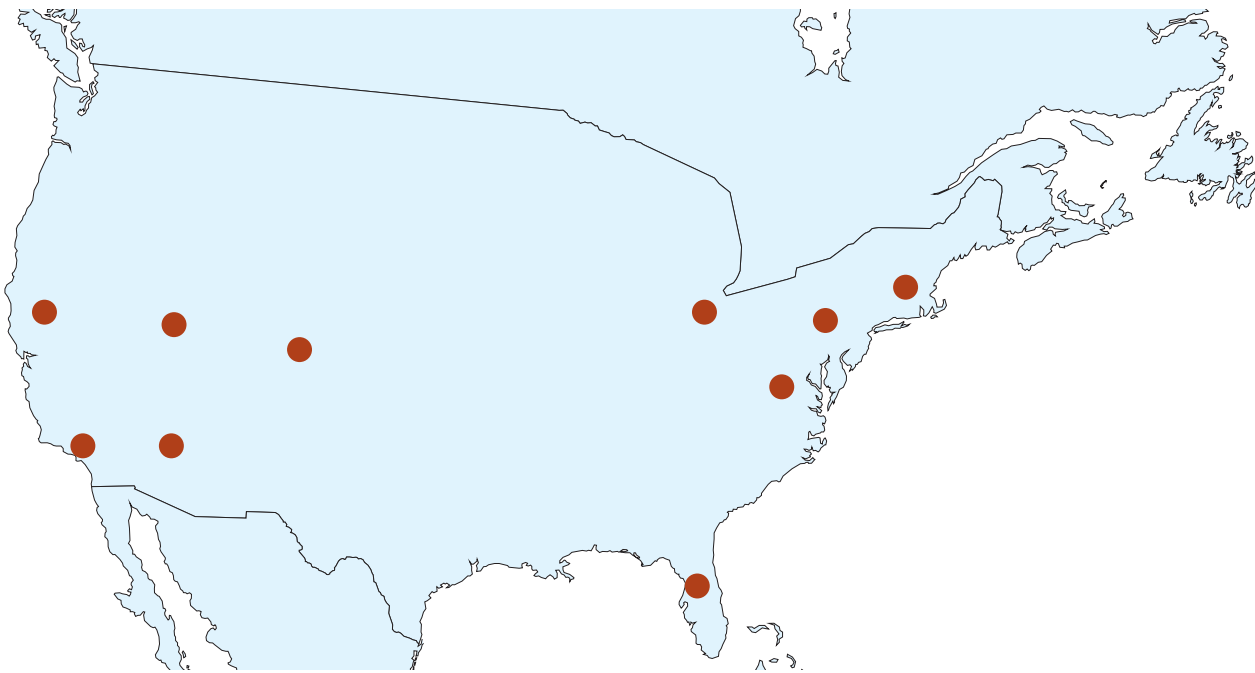
- Vertically integrated
- CNC machining
- Plasma cutting
- Metal forming
- Polishing / grinding
- ASME / ASW certified welding
- Lean assembly
- Seat / shell / actuator testing

QUALITY ASSURANCE:



- ISO 9001:2015 registered
- ISO 14001: 2015 registered
- Weld certifications
- Positive material identification (PMI)
- Material certifications (CMTRs)
- Certified test reports

Installations



California
Config: C37
Size: 12"



Utah
Config: F134
Size: 72"



Michigan
Config: F134
Size: 84"



Pennsylvania
Config: S16
Size: 48"



Maryland
Config: F134
Size: 96"



California
Config: Dia-Flo
Straightway
Size: 6"



Arizona
Config: Dia-Flo Weir
Size: 4"



Colorado
Config: Dia-Flo Weir
Size: 2"



Florida
Config: : Dia-Flo
Straightway
Size: 8"



Massachusetts
Config: Dia-Flo Weir
Size: 8"

ITT Engineered Valves: 65 years of Providing Quality, Innovative Solutions

ITT Engineered Valves has earned the reputation for delivering the highest quality, innovative valve solutions for a wide range of industrial fluid control needs. These best in-class quality valves have been the foundation for industries such as Mining, Power Generation, Pollution Control, Pulp and Paper, Chemical Processing, Water Treatment, Pharmaceutical, Food and Beverage, and Bio-Processing.

Through both standard and custom designed valve assemblies, ITT Engineered Valves is your partner in providing the best quality and value engineered solutions for your unique flow control needs.

- Dia-Flo® Diaphragm Valves
- Fabri-Valve® Knife Gate, Slide Gate, Wedge Gate and Custom-Fabricated Valves
- Cam-Tite® Hazardous and Critical Duty Ball Valves
- Cam-Line® Plastic Lined Ball Valves
- Skotch® Burner Safety Shut-Off valves



Lancaster, PA Facility



Amory, MS Facility



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Cam-Line, Cam-Tite, Dia-Flo,
EnviZion, Pure-Flo, Skotch

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EnviZion, Pure-Flo

