MECHANICAL PIPE JOINING SOLUTIONS

FOR THE FOOD AND BEVERAGE INDUSTRY

THE WORLD LEADER IN PIPE JOINING SOLUTIONS
VICTAULIC® SOLUTIONS FOR THE FOOD AND BEVERAGE INDUSTRY

DID YOU KNOW?
Grade A gasket materials meet FDA 21 CFR 177.2600 requirements. Contact Victaulic for more information.
Solutions for the Food and Beverage Industry

Victaulic® mechanical pipe joining solutions are the ideal choice for the Food and Beverage Industry by offering a combination of benefits such as design versatility, highly reliable operations and fast installation that provide the ability to add onto existing systems and ease of maintenance compared to welding or flanging.

BEST SUITED FOR THE FOLLOWING SYSTEM APPLICATIONS:
- Compressed Air
- Glycol Water
- Wash Down Water
- Instrument Air
- C.I.P. Systems
- Vacuum Transport Systems
- Corn Syrup
- Liquid Sugar Brine Systems
- Jacket Water Systems
- Conveying Lube Lines
- Grain Handling
- Blood Piping
- Fire Protection
- Wastewater
- HVAC/Plumbing

BENEFITS OF VICTAULIC® GROOVED END PIPING SYSTEMS

Safer installations

**Challenge:** Safety concerns associated with open-flame pipe joining methods

**Solution:** Eliminate fire watches, weld and toxic fumes with a flame free installation.

**WHY IS THIS IMPORTANT?**
Victaulic grooved mechanical couplings and fittings require no additional equipment, electrodes or cords to join the pipe ends. Pipe-joining without hot works eliminates the toxic fumes, ensuring a safe environment.

Compressed schedules

**Challenge:** Lengthy installations

**Solution:** With only two bolt/nut sets, compared to a minimum of four bolt/nut sets, for flanging, installation can be cut to half the time.

**WHY IS THIS IMPORTANT?**
Victaulic grooved piping can increase shop through-put and allow more equipment to be shipped every billing cycle. More equipment shipped improves receivable for your company.

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PIPE JOINING SOLUTIONS

Victaulic products solve the world’s toughest pipe joining challenges in the Food and Beverage Industry. Whether it’s a grooved end or plain end, carbon steel or HDPE pipe, Victaulic has a solution that will fit your piping system needs.
Couplings and Fittings

Victaulic® couplings and fittings provide a simple, economical method for joining carbon steel, ductile iron and aluminum piping systems. Ideal for adding on, servicing or changing out equipment with no need to cut out sections of pipe. Victaulic fittings are available in various styles of elbows, tees, crosses, wyes, adapters, nipples, caps, plugs and reducers.

**Features and Benefits**
- Available to join 3/4” | 20mm through 42” | 1050mm piping systems
- Advanced Grooved System (AGS) couplings (rigid and flexible designs) and fittings available for 14 – 24” | 350 – 600 mm piping systems
- Vic-Flange adapters are available to directly incorporate grooved components into a piping system

Valves

Victaulic valves are engineered and manufactured for dependable, trouble-free performance, superior flow control and durable, long-lasting reliability.

**Features and Benefits**
- A full line of butterfly, check, ball, triple service, circuit balancing and plug valves are available
- For 14 – 24” | 350 – 600 mm piping systems Victaulic offers AGS butterfly and check valves
- A variety of wear-resistant materials and coatings are available for specific piping application requirements
Accessories

Victaulic® offers a complete line of accessories for equipment protection, special applications and flow measurement.

Features and Benefits

- Suction diffusers and strainers reduce maintenance downtime and allow easy access to the system
- For 14–24” | 350–600 mm piping systems Victaulic offers AGS products
- Expansion joints accommodate expansion and contraction to meet system requirements
- Flow measuring devices ensure flow requirements are met

Hole Cut Products

Victaulic hole cut products provide a fast, easy mid-pipe outlet that does not require welding.

Features and Benefits

- Gaskets are molded to conform to the O.D. of the pipe and are of a pressure responsive design
- Hole cut products are mounted to the pipe using either a locating collar or a toe and heel design and provide a smooth flow area
- Victaulic offers a line of easy to operate hole cutting tools
Solutions for the Food and Beverage Industry

Grooved Copper
Victaulic® offers a cold formed roll grooved system that eliminates the need for soldering or brazing for safer more efficient installation.

Features and Benefits
- Complete line of couplings, fittings and valves for systems rated to 300 psi | 2068 kPa | 21 bar
- Line of roll grooving tools available for on-site grooving
- Copper connection system joins 2 – 8” | 50 – 200 mm

Grooved Stainless Steel
Victaulic provides a fast, easy and reliable method for joining Schedule 5S, 10S or 40S stainless steel pipe.

Features and Benefits
- Couplings available for rigid or flexible joints
- Fittings are available in Types 304 or 316 and ASTM A-403
- Grooved end butterfly, check and ball valves available to meet all flow control requirements
Vic-Press™ for Schedule 10S Stainless Steel Pipe

The Vic-Press system is a small-diameter, quick-connect piping system solution that delivers speed, economy and reliability.

Features and Benefits
- Available for Type 304 or Type 316 stainless steel systems
- Full range of couplings, fittings and valves in ½–2” | 15–50 mm sizes
- Hand-held tool used to join pipe in seconds

Plain End Piping System

The plain end piping method is ideal for maintenance and repairs as well as new systems such as roof drains, slurries and tailings.

Features and Benefits
- Coupling jaws conform to pipe and provide greater pipe contact for positive grip
- Complete line of couplings and fittings
Pipe Preparation Tools

Victaulic® is the leader in the development of roll and cut grooving tools. In addition to our extensive lines of grooving tools, Victaulic offers hole cutting tools, cut-off tools and pressing tools.

Features and Benefits

- Tools are available for use in the field, fabrication shop or groove-in-place
- Patented enhanced tracking rolls provide for hands free grooving
- Tools available for rental or purchase

Roll Grooving Tools

Features and Benefits

- Patented, enhanced-tracking rolls avoid pipe walk-off
- Available in manual, field and shop models
- Direct groove pipe sized \( \frac{3}{4} – 72" \mid 20 – 1825 \text{ mm} \)

Cut Grooving Tools

Features and Benefits

- Cut grooves maintain smooth inner flow path while removing less metal than threaded joints
- Direct groove pipe sized \( \frac{3}{4} – 24" \mid 20 – 600 \text{ mm} \)

Roll groove profile (exaggerated for clarity). The small dimple created on interior pipe wall has minimal effect on pressure or flow.

Cut groove profile (exaggerated for clarity). The groove created removes less metal than threading.
Software Programming and Training

Fabrication in Revit® is Possible

- The Victaulic Procurement Tool allows you to select an area within your model and easily create bills of material, including tags, part numbers, and finishes, eliminating the need for secondary software
- Make bulk edits based upon selection on the fly
- Calculate labor times within Revit®

Victaulic Productivity Tools

- Route 2x faster
- Create fully inclusive assemblies—no need to worry you’ll miss a part or piece
- Simple solutions to reduce clicks and increase functionality
- Continuous content updates available within your Victaulic toolbar

Receive over 100 available Victaulic product families when you download the Victaulic Tools for Revit®
Solutions for the Food and Beverage Industry

From software training with Victaulic® Tools for Revit®, to BIM and routing best practices on complicated mechanical or fire protection systems, contractors and engineers count on Victaulic for world class training on software and routing best practices. Victaulic offers group training sessions around the world with customized courses available upon request.

Software Courses

- Victaulic Pipe Routing Preferences setup
- Smart Families
- Victaulic Tool Bar Training
- Pipe Tools and Assemblies
- Schedules
- Spool Creation for Fabrication

Dependable and Trusted Drawing and BIM Service Provider

- With **over 30 years of experience** on more than **1500 projects**, our global team can maximize project efficiency by cutting overall costs and condensing construction schedules
- **More than five years of global training experience** on software and routing best practices
- **World class fabrication solutions** to maximize the efficiency of your fabrication shop.
- Over 700 years of collective drawing experience

For more information on Construction Piping Services please contact Victaulic.

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