

Victaulic systems for fusion bonded epoxy piping

Victaulic grooved piping products are designed to maintain the integrity of fusion bonded epoxy coated fittings and pipe. The grooved system provides a 100% holiday free installation and service for piping systems from 2 - 60"/50 - 1525 mm and pressures up to 2500 psi/17250 kPa. Depending on the product specified Victaulic couplings are suitable for use on systems up to 250°F / 121°C. Victaulic has a full range of solutions that are designed to specifically meet the needs of your system, while also creating the fastest, easiest and safest method for joining pipe.

EndSeal System-

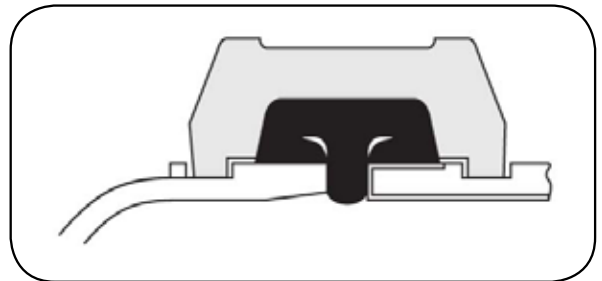
- Unique central gasket leg design aids in piping assembly while protecting the pipe ends from installation damage that can cause a holiday in the fusion bonded coating.
- EndSeal couplings and fittings are designed to accommodate high pressure services and are ideal for use with coated pipe.

Installation-Ready System-

- Installation-ready couplings are the fastest way to join grooved pipe on the market today.
- Up to 6 times faster than flanging and 10 times faster than welding, installation-ready couplings require fewer steps to install greatly reducing on-site handling.
- Couplings assemble on to the pipe without the need to disassemble the coupling.
- Installation-ready couplings use a gasket with a center leg that protects the pipe ends on fusion bonded epoxy coated pipe and fittings.

Advanced Groove System-

- Large diameter systems using mechanical joints required difficult to handle multi-segment couplings.
- The Advanced Groove System features two-piece housings for the line ranging from 14 – 60"/350 – 1525 mm sizes.
- The patented wedge shape groove is wider and deeper than original groove systems and allows for higher pressure service.
- Advanced Groove System couplings utilize a FlushSeal gasket design to protect coated systems.



Applications

- Fusion bonded epoxy systems are utilized on piping systems in corrosive environments.
- Plant Utility Water
- Primary Production
- Secondary Production
- Tertiary Production
- Recirculated “FRAC” water disposal and crude oil
- Domestic Water
- Steam Condensate
- Fire Protection systems
- Sea Water Systems

Why is grooved better?

- Typical specifications do not allow torch cutting or welding of pipe that can compromise the integrity of the fusion bonded epoxy finish. Grooved systems, since they are cold formed, meet the requirements of most piping specifications.
- Grooved couplings join carbon steel, galvanized, and stainless steel piping using the appropriate system based on size, pipe wall thickness and pressure required.
- Field welds compromise the integrity of the fusion bonded coating. Studies show that field repaired coatings do not match the protection afforded by factory applied coatings. Grooved piping does not require field applied coatings thereby eliminating temperature and weather concerns.

Typical Specification-

- Many specifications site AWWA standards for pipe preparation in fusion bonded epoxy systems. Fusion bonded epoxy coating for the interior and exterior of steel water pipelines for water pipe 2 inches and larger shall be grooved joint couplings and fittings (Victaulic only).
- Many specifications do not allow field welds for fusion bonded epoxy systems. All field spool connections must be grooved.



For complete contact information, visit www.victaulic.com

PB-312 6037 REV A UPDATED 4/2010

VICTAULIC IS A REGISTERED TRADEMARK OF VICTAULIC COMPANY. © 2010 VICTAULIC COMPANY. ALL RIGHTS RESERVED.

PB-312

