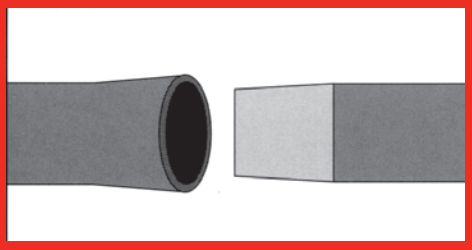
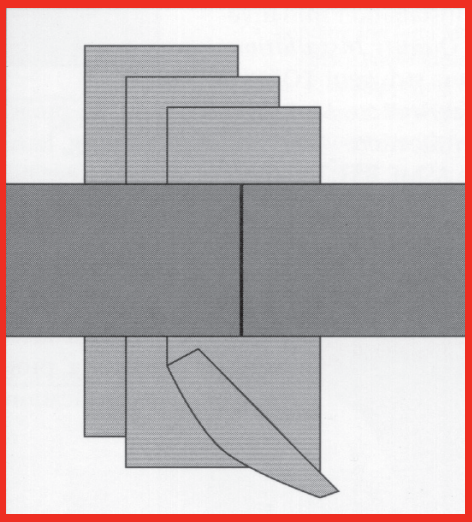
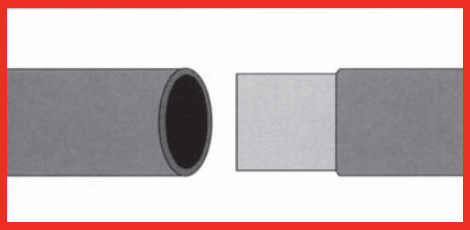
Bulletin No. F3500
March 1, 2008

Total Quality Installation Program







NOV FiberGlass Systems™

Putting It All Together

Installation is the Key

INSTALLATION IS THE KEY

Fiber Glass Systems is working hard to bring you innovative fluid handling solutions to meet the growing demand for long-lasting, corrosion-resistant piping systems.

Whether it's severe corrosion or just "dirty water" applications, the most important thing is your piping system performs as it was intended. Fiber Glass Systems knows that a piping system is only as good as its installation. We have a plan to help you protect your investment: *The Total Quality Installation Program.*

INSTALLATION INITIATIVE PROGRAM

Installing Fiber Glass pipe is different from installing carbon steel, stainless steel, lined steel, and even other fiberglass piping systems. Learning the proper methods to prepare and make up bell x spigot, socket, and butt & wrap joints ensures the reliability and long-term, worry-
free performance of your piping system. That is why Fiber Glass Systems offers both the ***Total Quality Installation (TQI)***, or the more stringent **TQI Plus** (ASME B31.3/31.1) Fabrication and Assembly, Certification. TQI training is included in the TQI Plus Certification Program.

The program consists of classroom training, hands-on training and participation, bonding, and verification testing. Length and cost of the training depend upon which program is selected and which joining methods are covered.

After successfully completing the training, program participants receive a certification card and the parent company receives a complete list of certified bonders.

Bell x Spigot Joint 1”-24” (Matched Taper)

The proven bell & spigot joint is secured with specially formulated adhesive. A properly made joint is stronger than the pipe in internal pressure and axial tension. Matched taper joints resist movement, allowing joint of long runs of pipe as the adhesive cures.

Socket Joint 1”-14”

Straight socket adhesive joints have positive stop lands for precise makeup of process area piping systems.

Butt & Wrap Joint 1”-72”

Two pieces of plain end pipe or pipe and fittings are butted together, then several layers of resin saturated mat or woven roving are wrapped around the area and cured. Highly reliable joint in critical service applications.

T-Miters (1”-24”) - A branch connection is achieved by stubbing in a pipe section and wrapping with resin saturated mat and woven roving.

Putting It All Together

- **TQI** (Total Quality Installation) Installation Program, or
- **TQI Plus** ASME B31.3/B31.1 Fabrication, Assembly, and Erection Training Certification Program
- Select from five focused training areas:
  …Bell & Spigot Joining Methods, Small Diameter (1”-6”)
  …Bell & Spigot Joining Methods, Large Diameter (8”-24”)
  …Socket Joining Methods (1”-14”)
  …Butt & Wrap Joining Methods (1”-72”)
  …T-Miter Joining Methods
- Training Programs consist of the following:
  …Classroom Training - Installation Manuals
  …Hands-on Training using tools for cutting, tapering, scarfing, grinding, come-alongs,
  …Bonding and Joint Make-up - Surface preparation, adhesive mixing and application, heat curing
  …Verification Testing - Destructive or non-destructive pressure tests
- Length and cost of training programs vary depending on program selected, joining methods covered, and location.

Contact your Fiber Glass Systems Regional Manager for more information or mail the form below and fax as instructed..

Attention: Field Services Manager

Name _____

Company Name _____

Street Address _____

City _____ **State** ____ **Zip** _____

Phone _____ **E-Mail**_____

Other Interests _____

I am interested in:

_____ **Bell & Spigot Small Diameter (1”-6”)**

_____ **Bell & Spigot Large Diameter (8”-24”)**

_____ **Socket**

_____ **Butt & Wrap**

_____ **T-Miters**

_____ **Send free CD-ROM**

_____ **Number of people interested in training**

TOTAL QUALITY INSTALLATION

Take Advantage of These Value-Added Services from Fiber Glass Systems

PRODUCT SELECTION

A lot of time and thoughtful consideration goes into choosing the right piping system. It is necessary to choose a material that will hold up under the operating conditions. The system must handle process fluids at a specified temperature and pressure. Next, the pipe diameter must accommodate the flow but should be a diameter small enough to handle and install with a minimum of supports and equipment. The goal is to ensure a longer life cycle with lower installed costs while managing the project to meet the allowed budget.

SELECTION AND DESIGN TOOLS

Fiber Glass Systems has many of the product selection tools, piping systems, and support programs in place to assist you in realizing your goal.

FGS now has nine standard piping systems from which to choose. One is the right system for your application - whether it is “Dirty water” or sulfuric acid. How do you decide?

INTERNET

The “net” is by far the quickest way to get product information. Visit our web site at www.smithfibercast.com. You can access product specification guides and commonly requested literature such as installation, engineering, and chemical resistance guides. The ***Success By Design*** engineering program is a self-contained, comprehensive guide to pipe selection and design.

CLASSIFIED UL WATER QUALITY
ANSI/NSF 61
Drinking Water System
Components 35GH
Water Contact Temp: 23C

ISO 9001
LITTLE ROCK, AR
SAND SPRINGS, OK
SUZHOU, CHINA
FIBER GLASS SYSTEMS

15LR-0004
LICENSEE
Contact
Fiber Glass
Systems
for licensed
products.

IPQ

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