



HOSE MASTER

1233 East 222nd Street • Cleveland, Ohio 44117
(800) 221-2319 • Fax: (216) 481-7557 • www.hosemaster.com
Cleveland • Houston • Atlanta

ISO 9001
Registered Quality System



Stainless Steel Tapered FRP Fittings Installation Instructions

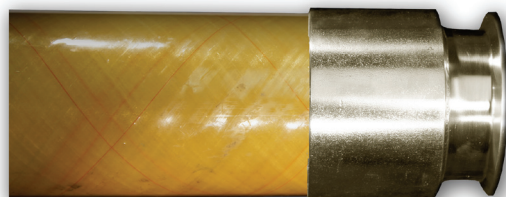
READ THESE INSTRUCTIONS COMPLETELY BEFORE BEGINNING INSTALLATION. Always follow the FRP pipe manufacturer's instructions for piping preparations and assembly. If you have any questions or find any inconsistencies between these instructions and the FRP manufacturer's instructions, stop and contact Hose Master before proceeding. Always follow all instructions provided by the FRP pipe manufacturer for handling hazardous materials.

Hose Master's stainless steel tapered FRP fittings are designed to be bonded directly to fiberglass primary piping (FRP) as a product equivalent to the FRP manufacturers' fiberglass fittings in form, fit and function. Fitting attachment follows the FRP pipe manufacturer's instructions for joint assembly.

- Prepare the stainless steel tapered FRP female fitting for bonding. FRP manufacturers note the need for bonding surfaces to be "factory fresh". If necessary remove oxidation from the stainless steel tapered fitting with a wire brush or emery cloth. Next apply a cleaning solvent and wipe the inner surface of the fitting to be bonded, being certain no residue remains in the machined grooves of the stainless steel tapered fitting.

Allow surfaces to dry. Do not use solvents that will leave an oily residue on the bonding surfaces. Be certain that any residual solvent has evaporated before applying adhesive in step 3 below. Follow the FRP pipe manufacturer's instructions for any additional preparation procedure.

- Taper the mating end of the primary FRP piping according to the FRP manufacturer's instructions.
- Refer to FRP Manufacturer's recommendations for selection of appropriate bonding adhesives for the FRP piping system. **At the time of this printing, NOV Fiber Glass Systems offers Series 8000 adhesives for bonding Red Thread IIA pipe and fittings. For Dualoy systems, PSX-20 is used for connecting all primary bonds.**
- Prepare and mix adhesives according to the FRP pipe manufacturer's instructions. Be sure to consider all factors mentioned in the FRP pipe manufacturer's instructions including the adhesive's working life for the appropriate weather conditions.
- Apply a thin, uniform coating of adhesive to the tapered FRP male pipe and around the inner surface of the stainless steel tapered FRP fitting, ensuring adequate coverage of the machined grooves. Mate the tapered FRP male pipe into the stainless steel female fitting until **NEED ENGAGEMENT DISTANCE** _____. Wipe away any excess adhesive.





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- Allow the joint to cure undisturbed according to the FRP manufacturer's recommended curing time, accounting for adhesive type and temperature, as well as any other factors established by the manufacturer.
- Once the adhesive has fully cured, the stainless steel tapered FRP fitting is permanently bonded to the FRP pipe as an integral part of the piping system. Do not attempt to remove or reuse the stainless steel tapered fitting once attached.
- Attach the Hose Master Fire-Shield flex connector to the FRP piping system by mating the flat faced flange connection of the flex connector with that of the stainless steel tapered FRP fitting, applying the VITON gasket in the recessed groove featured in the face of the flanges. The groove anchors the gasket and provides a seal between the two fittings. Apply and fasten the Quick Clamp over the two flanges forming a liquid tight seal.
- Test per the FRP manufacturer's instructions.

