

FR-SERIES FRP REDUCER INSTALLATION INSTRUCTIONS

FOR NEW CONSTRUCTION or REPLACING FLEXIBLE TEST REDUCERS

IMPORTANT

The FR-Series fiberglass test reducers from S. Bravo Systems, Inc. do not need to be installed by a **Bravo Certified Installer**. However, we highly recommend that the installer is familiar with the F-Series fiberglass entry fittings. If the installer is not familiar with these products he can get Certified by completing either the

F-Series (FS) Test or the DoubleWall Test (FOR DOUBLEWALL SUMPS ONLY) at:

www.sbravo.com/cert

IMPORTANT: Keep your reducer halves clean and dry at all times. Do not leave them on the ground. Ensure your secondary fiberglass pipe is protruding from your entry fitting with enough surface to bond the FR-Series reducer to. (Fig. 1)

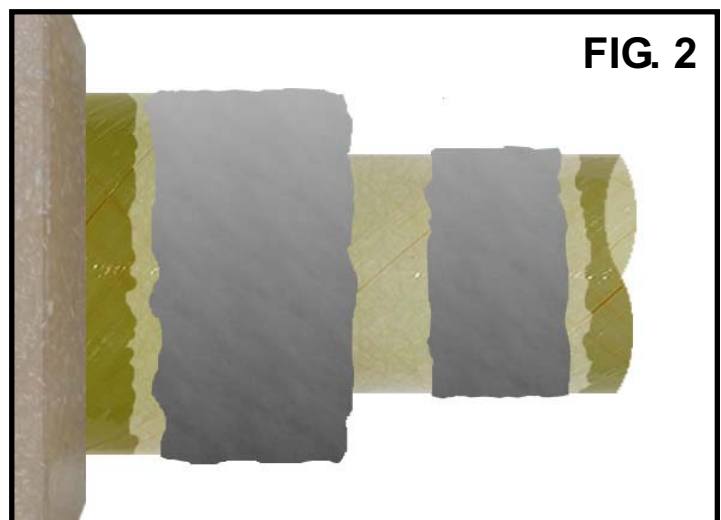
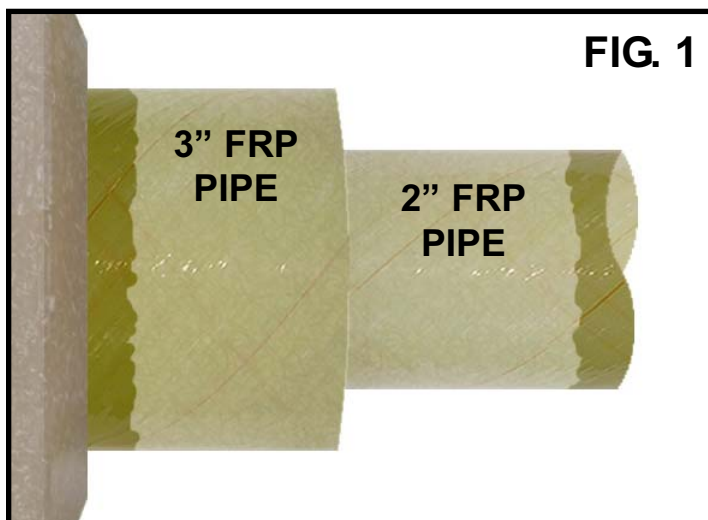
RETROFITTING FLEXIBLE REDUCERS

Repeat Steps 1- 4. In Step 2, remove any adhesives or sealants used to glue the original reducer.

INSTRUCTIONS FOR NEW CONSTRUCTION

STEP 1) Prepare the surfaces of the fiberglass piping where the FR-Series fiberglass reducer will be bonded. Rough up the area to remove the gloss coating and create a smooth and level surface. Dry fit your FR-Series halves for proper fit. (Fig. 1)

STEP 2) Using your fiberglass pipe manufacturers adhesive only, add fiberglass filler and mix thoroughly. Then catalyze, mix and apply a generous coating to the contact areas of the pipe where it will bond to the interior of the FR-Series fiberglass reducer. Follow adhesive mfg. instructions. (Fig. 2)



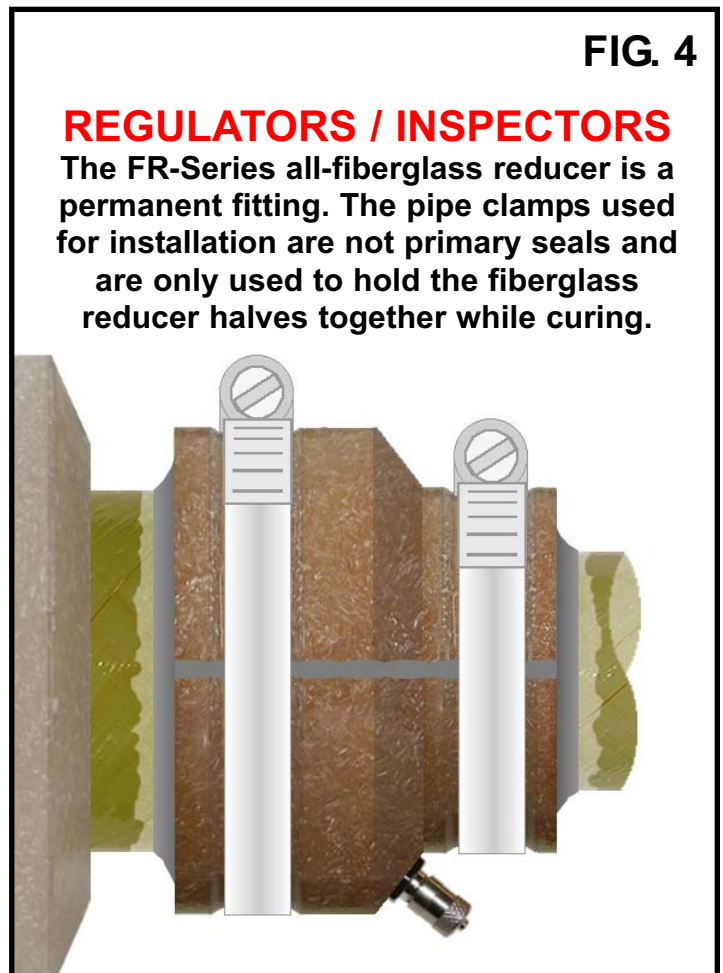
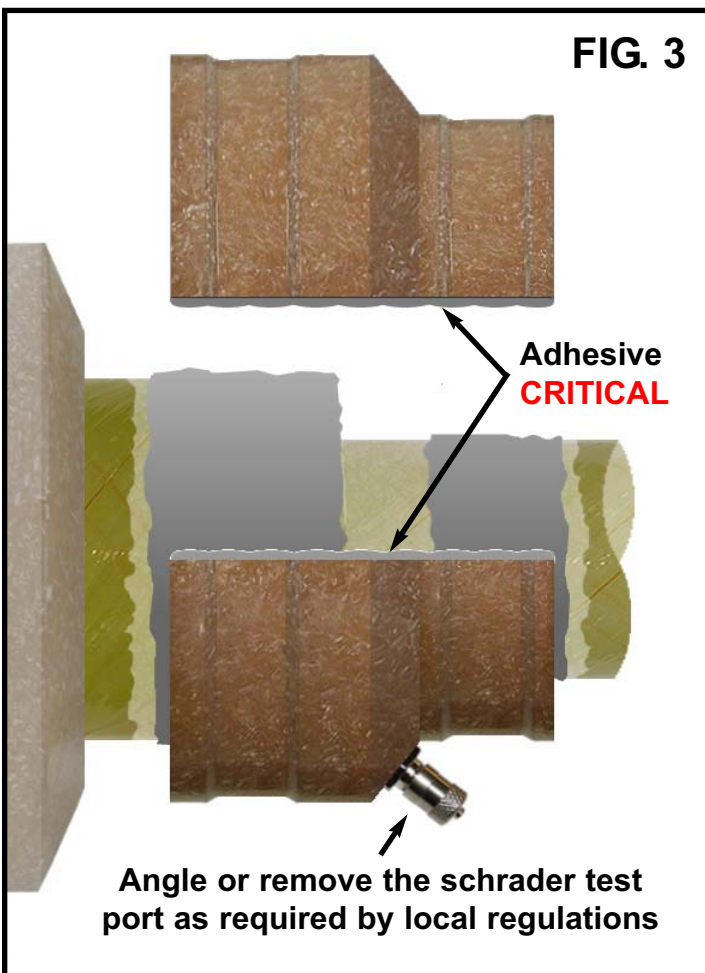
NEW CONSTRUCTION (Continued)

IMPORTANT: Keep your reducer halves clean and dry at all times.

STEP 3) Following the same adhesive steps in Step 2, apply a generous coating to all of the contact points of the FR-Series fiberglass reducer. These are the areas where the two halves will bond to each other, and the areas inside the reducer halves where they will bond to the piping. **Be sure** to not block the communication area of the test port inside the reducer. Brush adhesive generously on all seams where the reducer halves contact each other and the pipe. (Fig. 3)

STEP 4) Using provided pipe clamps, secure the two halves to each other. Using a gloved finger, bead excess adhesive across all seams and contact points. (Fig. 4)

The pipe clamps do not need to be removed after the adhesive has cured.



If you have any problems with Bravo Systems components or accessories,
Contact Bravo Systems Immediately:

1-800-28-BRAVO

1-323-888-4133

support@sbravo.com