



Lyall Service Head Adapter (SHA) Riser, Flexible Installation Instructions

- 1) Verify that the polyethylene (PE) pipe is manufactured to the requirements of ASTM D2513 and that the size and dimension ration (DR) or wall thickness match what is indicated on the SHA label.
- 2) Unscrew the SHA body from the SHA nut being careful not to lose the rubber seal inside of the nut.
- 3) Insert the PE pipe through the bushing at the end of the flexible tubing and push it up through the flexible tubing until it extends out of the SHA nut by at lease six inches (6") as shown in Fig. 1
NOTE: If the product being used includes optional "heat shield" liner, it may be necessary to:
 - Remove the bushing from the end of the flex tubing
 - Slide the heat shield out of the flex tubing by several inches
 - Firmly grasp the heat shield while inserting the PE pipe through it until it extends out of the SHA nut
 - Slide the heat shield back into flex tubing
 - Reattach bushing to end of flex tubing
- 4) Cut the end of the PE pipe sqaure and deburr the OD and ID. Clean the exposed PE pipe with a clean, dry, grease-free cloth.
- 5) Ensure that the rubber bushing is properly in place over the PE pipe.
- 6) Stab the PE pipe into the SHA body until it bottoms out within the SHA body, as shown in Fig. 2 (It may be necessary to use a rubber mallet to gently tap the body onto the pipe).
- 7) Push the PE pipe back into the SHA nut and flexible tubing making sure that the rubber bushing is fully seated in the nut, bringing the SHA body into contact with the SHA nut.
- 8) Using suitable wrenches tighten the SHA nut onto the SHA body (keeping the body from rotating) until they are engaged to a positive stop (metal-to-metal) with no gap between the body and nut as shown in Fig.3.
- 9) Complete the installation by performing a pressure test in compliance with the minimum pipeline test requirements specified in 49 CFR 192, Sub Part J – Test Requirements, or in accordance with local code requirements per the jurisdiction having authority.

