

ASSEMBLY of TracPipe® System Wall Mounted Flange Fitting with Floppy Conduit Adapter Product Description

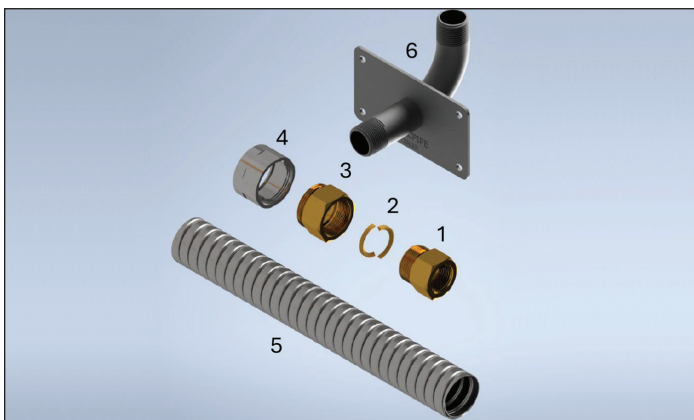
Product Description

TracPipe System Wall Flange Fittings are designed to be mounted on a wall stud.

1. FGP-AF-90SO-SIZE-KIT (90° Stub Out KIT Assembly)

Components

1. Body – Female NPT
2. Split Rings
3. Nut
4. Floppy Conduit Adapter
5. Floppy Conduit (1' section)
6. 90° Stub Out (P/N FGP-AF-90SO-SIZE)



CAUTION

For your personal safety, the knife blade and cut tube ends are both very sharp. Use care when cutting the jacket and handling the tube.

2. CUT-TO-LENGTH

Determine proper length plus approximately three inches. Make a rough cut through the outer jacket and stainless-steel tubing, using a tubing cutter with a sharp cutting wheel. Use full circular strokes in one direction and tighten roller pressure slightly (quarter turn) after each revolution. **DO NOT OVER TIGHTEN ROLLER**, which may flatten the tubing.

NOTICE:

A reciprocating saw can be used when rough cutting all sizes of tubing to length; however, the **FINAL CUT** must be performed using a suitable tubing cutter with a sharp cutting wheel.

NOTICE:

Due to the large diameter and depth of corrugations, 1 inch and above tubing must be cut with a **TracPipe** CSST cutting wheel P/N FGP-E-5272 installed in a standard RIGID 152 tubing cutter (remove standard RIGID 152 wheel and replace with FGP-E-5272). For use of P/N FGP-E-5272 cutting wheel with other tubing cutters contact the **TracPipe** engineering department.

CAUTION

The use of a small cutting wheel may flatten the first corrugation and make cutting and/or sealing fittings difficult.

3. STRIP JACKET & FINAL CUT

Using a sharp utility knife, strip back the jacket three inches. From the edge of the jacket, count out the required number of corrugations in Table 1. Make a final cut on the bare stainless in the valley between the corrugations. **DO NOT** overtighten roller which may flatten the first corrugation (Figure 1-1, Figure 1-2, Figure 1-3).

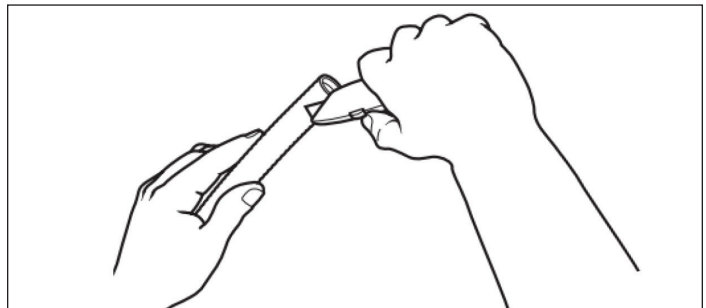


Figure: 1-1

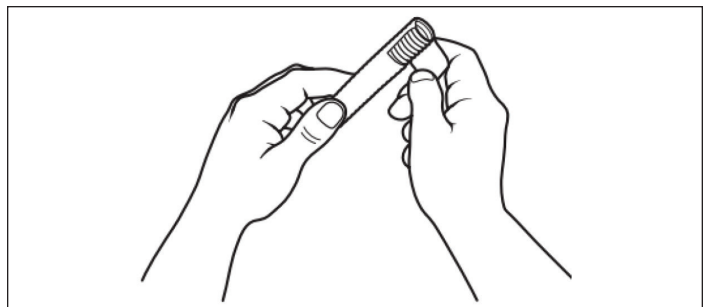


Figure: 1-2

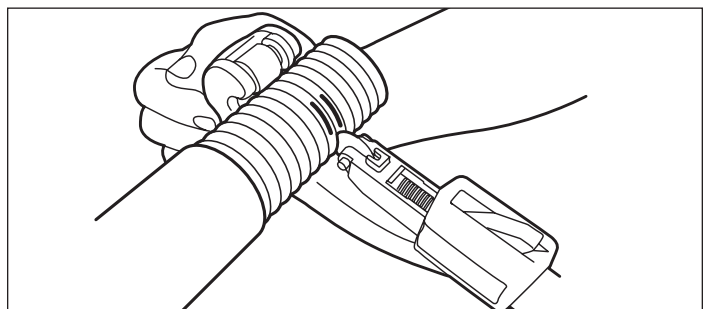


Figure: 1-3

CAUTION

To separate the two cut tubing ends, gently bend the faces of the tubing back and forth against each other. **Do not** twist or pull the tubing to break it loose. This may cause an improper seal.

Table 1
Final Cut Corrugation Count

TracPipe System Pipe Size	Final Corrugation Count	Cut Between Corrugations
3/8"	9	9 & 10
1/2"	8	8 & 9
3/4"	8	8 & 9
1"	8	8 & 9

4. Mount 90-Degree Stub Out to desired location on a wall stud using appropriately sized screws (Figure 1-4).



Figure: 1-4

5. Separate the fitting Body from the Nut and Floppy Conduit Adapter then remove the two Split Rings.
6. Apply pipe dope or thread sealant to the NPT threads of the 90-Degree Stub Out as needed. Tighten the NPT threads of the **TracPipe** System fitting Body onto the NPT threads of the mating 90-Degree Stub Out. Sealants are to be used on the NPT connection only (Figure 1-5)!

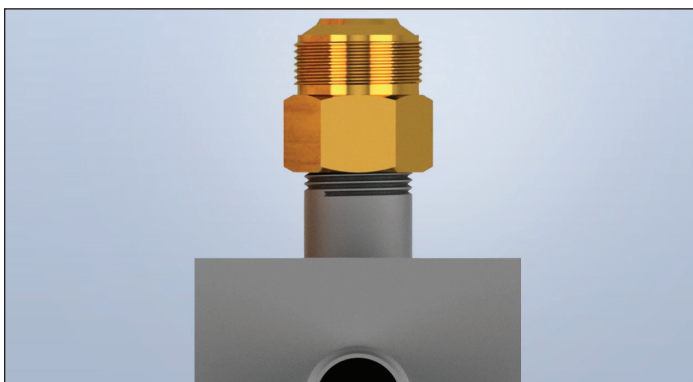


Figure: 1-5

7. Slide floppy conduit over the cut end followed by the Nut with Floppy Conduit Adapter until the Nut bottoms out against the jacket. Place two Split Rings into the first corrugation next to the tube cut (Figure 1-6).

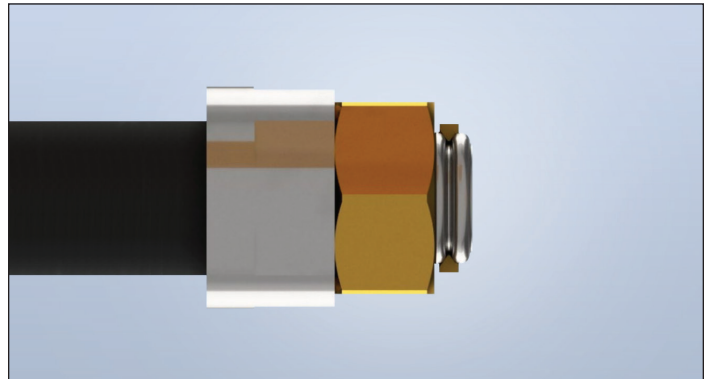


Figure: 1-6

8. Thread the Nut onto the Body to engage the threads. Using appropriate wrenches, tighten the fitting to the torque values listed in Table 2. Note that **TracPipe** System fitting is designed to form a leak tight seal on the stainless-steel tubing as the fitting is tightened (Figure 1-7). When fully tightened, there should be no threads visible between the Nut and Body.



Figure: 1-7

Table 2
TracPipe System Torque Values

TracPipe System Pipe Size	Nut Wrench Flat Size	Torque Range
3/8"	1-1/8"	35-50 FT-LBS
1/2"	1-1/4"	42-70 FT-LBS
3/4"	1-1/2"	45-110 FT-LBS
1"	1-3/4"	110-150 FT-LBS

CAUTION

Do not use any pipe dope or thread sealants on the self-flaring connection. This connection is a metal to metal seat and will not seal properly if pipe dope or thread sealants are used. Sealants are to be used on the NPT connector to the equipment only.

9. Confirm the Floppy Conduit Adapter is tightened onto the Nut then thread floppy conduit into the Floppy Conduit Adapter until it stops. This will secure the floppy conduit to the fitting (Figure 1-8). **NO additional fastening or adhesives required!**



Figure: 1-8

10. Pressure test **TracPipe** System pipe and fitting in accordance with state and local codes and Section 6 of the **TracPipe** System Flexible Gas Piping Design Guide & Installation Instructions.

Refer to the following QR code to access assembly videos and instructions for other products.



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