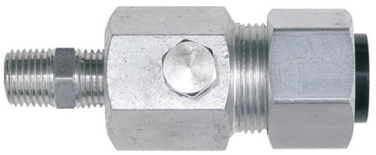
System Studies Incorporated

1/2” Air Pipe to 1/4” NPT-M Fitting

9800-3054



This nickel-plated brass fitting has a 1/2” air pipe coupler connection on one end and a 1/4” NPT-M hex nipple on the other. It is the ideal fitting to use when installing a System Studies Flow Finder™ in a half inch CA 3131 air pipe. Note: two fittings are required for this application.

The center hex section of the fitting contains a 1/8” NPT-F thread to accommodate a standard tank valve (not included) and a 3/16” NPT-F thread for a ground lug connector (included). Because a tank valve is not supplied with this item, a 1/8” NPT-M hex head plug is provided. Both the plug and the ground lug connector are shipped with the fitting but not pre-installed. Refer to ***Photo 1*** for assembly configuration.

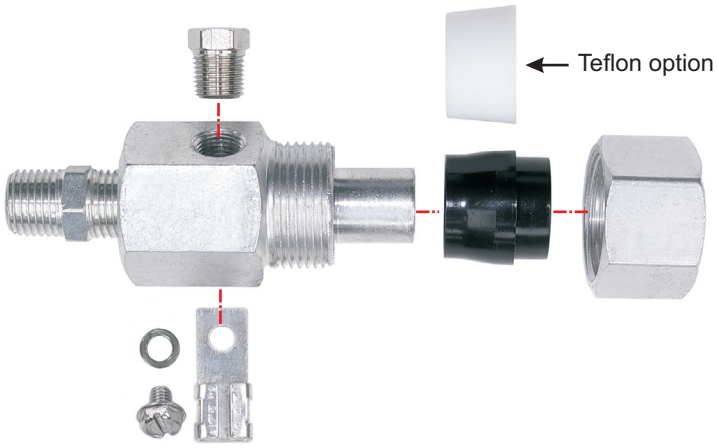


Photo 1 – Components Breakdown

This fitting is supplied with both a black plastic ferrule (included inside the coupler connection nut) and a separate white Teflon ferrule. The Teflon ferrule is recommended for use on slightly larger-diameter 1/2” air pipe when it is difficult or impossible to use the more rigid, black ferrule. ***Photo 2*** shows the proper method of installing the ferrule and connector nut component on CA 3131 air pipe prior to connecting it. If using the black ferrule, the tapered end also faces the fitting’s male thread as shown in ***Photo 1***.

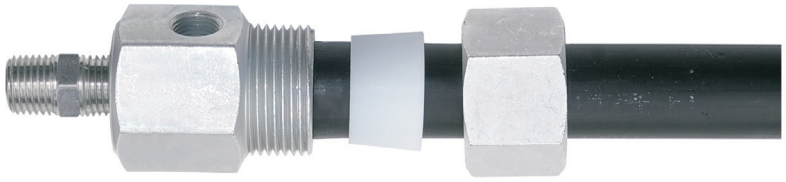


Photo 2 – Proper Pacement of Components on Pipe

Important: When using the Teflon ferrule, make sure that the tapered end is inserted evenly into the circular space between the pipe sheath and the fitting’s male thread (***Photo 3***). If any portion of the ferrule’s circumference is not seated properly (***Photo 4***), the ferrule will be damaged when the nut is tightened and a leak may occur.

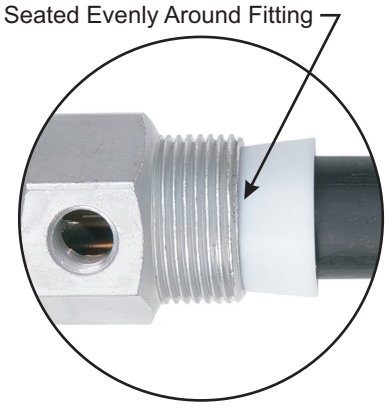


Photo 3 – Correct Ferrule Placement

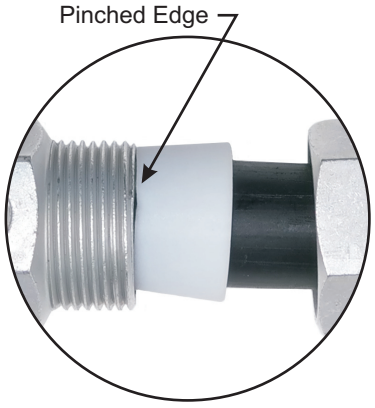


Photo 4 – Incorrect Ferrule Placement

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