

System Studies Incorporated

1/2" Air Pipe Shutoff Valve Fitting

9800-3051

This fitting makes it possible to shut off air flow into a pipe section during certain leak locating and maintenance procedures. Part No. 9800-3051 includes the following components: a 1/2" air pipe shutoff valve, two 1/2" air pipe to 1/4" NPT-M couplers, two tank valves, two ground lug connectors, and two separate Teflon ferrules. The tank valves enable technicians to take pressure readings to confirm that the shutoff valve does not allow air to pass through the pipe.

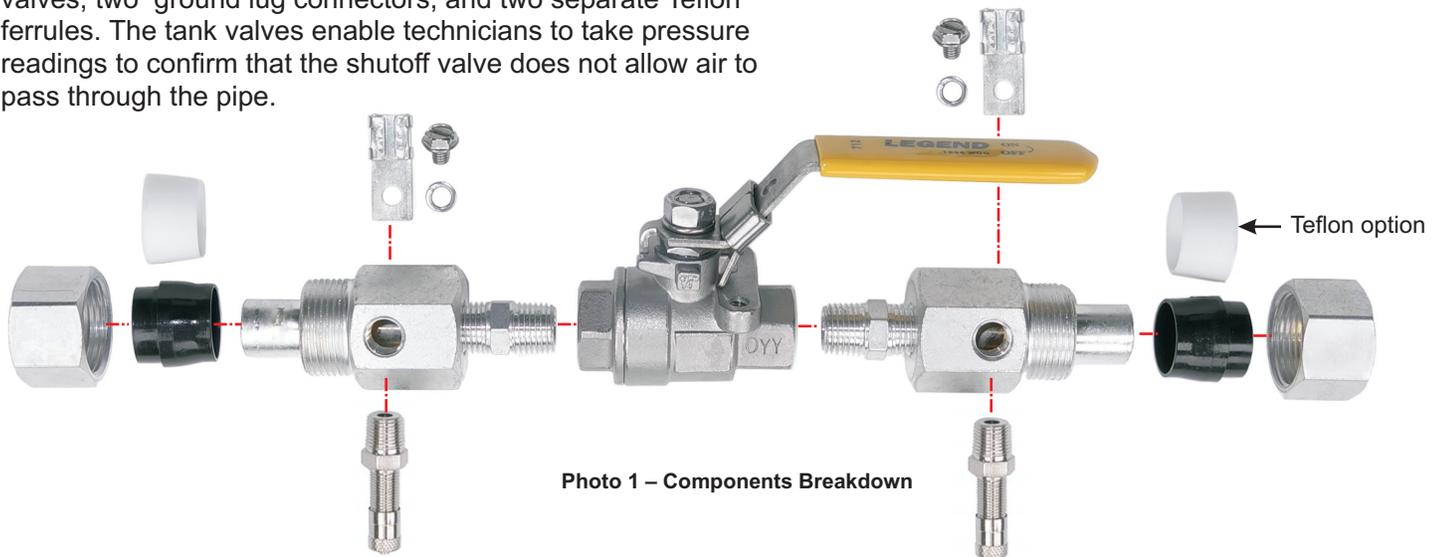


Photo 1 – Components Breakdown

Photo 1 shows a break-down of the components supplied with Part No. 9800-3051. Assemble the fitting as shown, using either the black plastic ferrules or the white Teflon ones. **Photo 2** illustrates how the connector components should be placed on the air pipe prior to tightening the connection. If the 1/2" air pipe diameter makes it difficult or impossible to place the black ferrule over the pipe, use the Teflon ferrule as shown in the photo. Because the Teflon ferrule is pliable, care should be taken when inserting its tapered end underneath the male connector thread. If any part of the tapered edge is buckled outward or pinched, the fitting may leak when the nut is tightened. **Photo 3** illustrates the correct ferrule placement.



Photo 2 – Proper Placement of Components on Pipe

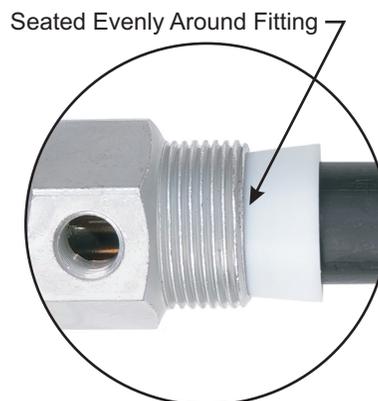


Photo 3 – Correct Ferrule Placement

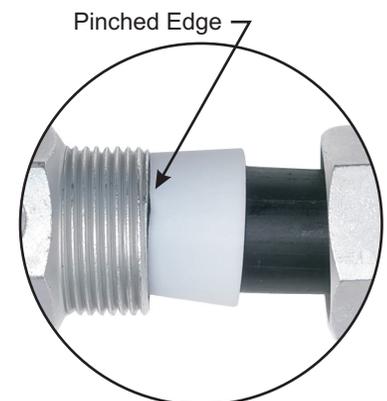


Photo 4 – Incorrect Ferrule Placement

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