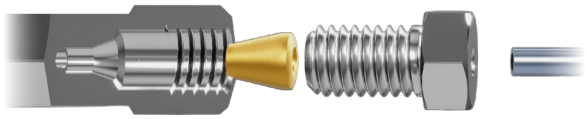
AFP 1/16” CONNECTION INSTALLATION PROCEDURE

This document covers the instructions for installing AFP 1/16” connections. For this example a 1/16” to 1/16” union is used, but this procedure applies to any AFP component with 1/16” port (diaphragm valve heads, rotary valves, crosses, etc).

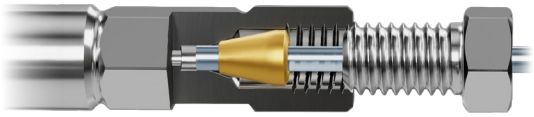
1 AFP compression fittings are considered standard GC connections.



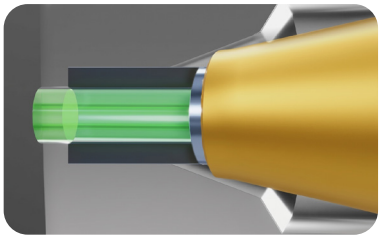
2 AFP standard connections are composed of a screw, a single ferrule and a tubing.



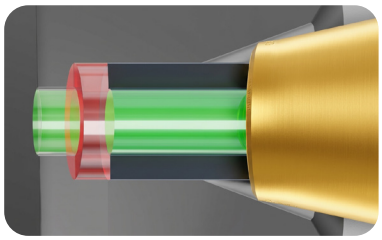
3 Tubing position is very critical during installation to prevent issues.



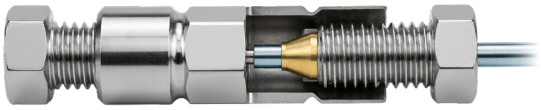
4 To achieve a good connection, tubing should be place until the bottom of the union to avoid any gap between the tube and the union. It is recommended to slightly press the tube against the union and to use precut tubing to match the end of the tubing to the end of the port.



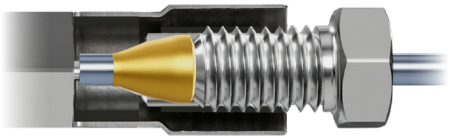
5 A bad connection is the one that has a gap between the tubing and the port feature. As it can create dead volume, leaks and peak distortion in the analysis.



6 Once the tubing position is assured. Turn the screw clockwise to a finger tight position to begin the compression of the ferrule.



7 From that point, proceed to use the proper tool to turn the screw of ¼” turn. This will result in the ferrule gripping the tube and creating a seal tight connection. If necessary, use an extra 1/8” turn.



Note: Over torquing the connection will create leaks in the system and would potentially need to change the tube, ferrule and fitting.

AFP
2659, boul. du Parc-Technologique
Québec (Québec)
G1P 4S5 Canada

418-266-1247
sales@afplifesciences.com
https://www.afplifesciences.com/