



00REG-1048-0x

MH EDS-ILR In-Line Regulator and connector kit for built-in oxygen systems

The light-weight MH EDS-ILR In-Line Regulator (full description: In-Line Low-Pressure Stabilizing Reducing Regulator) enables you to use your MH EDS O2D1 or O2D2 unit in an aircraft with a built-in oxygen system.

MH EDS Pulse Demand™ units require an oxygen inlet pressure of between 15 and 25 psig, while built-in aircraft oxygen systems typically provide an outlet pressure of between 30 and 90 psig. Connecting your MH EDS unit *directly* to the built-in oxygen supply will likely **damage your EDS unit and render it inoperable**. Even if the EDS unit *does* continue to function, you will experience poor performance and risk subsequent **sudden failure** of your oxygen system. Therefore, a Reducing Regulator (such as the MH EDS-ILR) is required to reduce the nominal pressure provided by a built-in oxygen system to a level compatible with the MH EDS unit.

The MH EDS-ILR is supplied as a "kit" (see table below) which includes adapter tubing with one (or all) of the common OEM-type oxygen connectors found in most aircraft for convenient "Plug 'n' Fly" operation.

MH EDS-ILR In-Line Regulator and Connector Kits					
MH p/n [Note]	ILR	Scott	PB750	PB566	CPC
00REG-1048-00 [1]	•				
00REG-1048-01	•	•			
00REG-1048-02	•		•		
00REG-1048-03	•			•	
00REG-1048-04	•				•
00REG-1048-05 [2]	•	•	•	•	•

Notes:
1. Includes tubing, but no connector. For application with customer-supplied fitting (ensure that fitting does not incorporate a flow-restrictor - see "Caveats" opposite).
2. "CFI" package includes all 4 connectors.

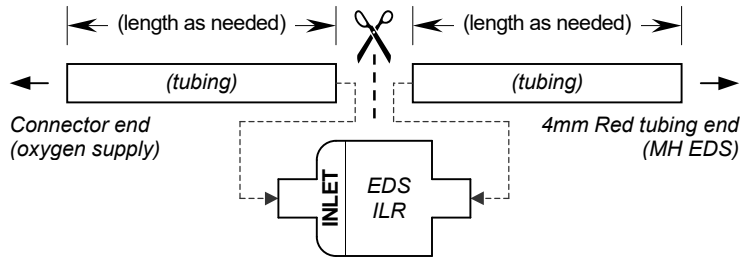
Multiple EDS units

The MH EDS-ILR can deliver sufficient oxygen for up to four (4) O2D1 units or two (2) O2D2 units. However, this will require one or more "Y" fittings in order to route the oxygen supply from your MH EDS-ILR regulator to multiple MH EDS units. Contact MH Sales for help configuring your system.

For EDS-ILR Regulator performance information, see document # 5IREG-0050-06 which is available on the MH website.

Preparation and Assembly

To provide the greatest flexibility in configuring your oxygen system, the adapter tubing is supplied as a single 6 ft. piece, which should be a generous enough length for most situations. The tubing will need to be cut to the length that you will need for your particular application prior to use. The tubing is easily cut with a pair of scissors and allows you to configure the routing of the supply tubing according to your particular needs.



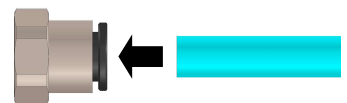
A typical arrangement is to leave a short piece of tubing on the *connector* end so that the EDS-ILR is positioned close to the built-in oxygen outlet as illustrated in the photo at right. In this case the light-weight EDS-ILR simply hangs from the overhead oxygen port. The tubing may also be cut longer to allow you to position the EDS-ILR elsewhere should you prefer.



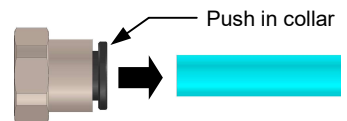
Please watch the excellent video on the MH website that shows you how to configure your MH EDS-ILR. [It explains everything!](#)

Inserting and Removing Tubing

To INSERT TUBING: push the tubing into the connector until resistance is felt, then push a little further, about 1/8 inch. Gently tug on the tubing to make sure it is captured.



To REMOVE TUBING: push the tubing in slightly, then push in the connector collar while pulling gently on the tubing.



When removing tubing, **DO NOT pull on the tubing without pushing in the collar**, as this will likely damage the connector. A video on the MH website provides more information about tubing connection.

Built-in Oxygen System Caveats

Some things to be aware of before connecting to an existing built-in oxygen system:

- Some built-in oxygen systems may include a flow-restrictor either in the *oxygen supply line*, or in the *oxygen connector* (fitting) itself which will compromise the performance of your MH EDS-ILR regulator and MH EDS unit(s).
- Some built-in oxygen systems may incorporate an Altitude Compensating Regulator (ACR). The behavior of an ACR can also compromise the performance of your MH EDS-ILR regulator and MH EDS unit(s).