

GAS FILLING OF HERMETICALLY SEALED AIRCRAFT INSTRUMENTS

(This EO replaces EO 20-1-3D dated 31 Jul 58)

1 The satisfactory operation of hermetically sealed instruments is dependent on the instrument being properly filled with the correct inert gas or gases. In most cases the type of gas, or proportion of gases, to be used is specified by the manufacturer in the specific instrument EO. When the instrument EO does not call for a specific gas or gases pure helium is to be used for filling.

2 Helium gas used to fill hermetically sealed instruments is to meet the following standards:-

Purity..... 98%

Moisture Content... Less than .006 milligrams per litre

Dewpoint..... Minus 65° Centigrade

ISSUED ON AUTHORITY OF THE CHIEF OF THE AIR STAFF