



- **Oxygen safe design**
- **Wide operating pressure range**
- **Tight regulation band**
- **Integral relief valve**

Application:

Carleton's F103D000-15 high pressure regulator is an integral component in military aircraft oxygen life support systems. The regulator takes oxygen from a high pressure gaseous source and reduces the pressure to a suitable range for operation with a panel mounted regulator.

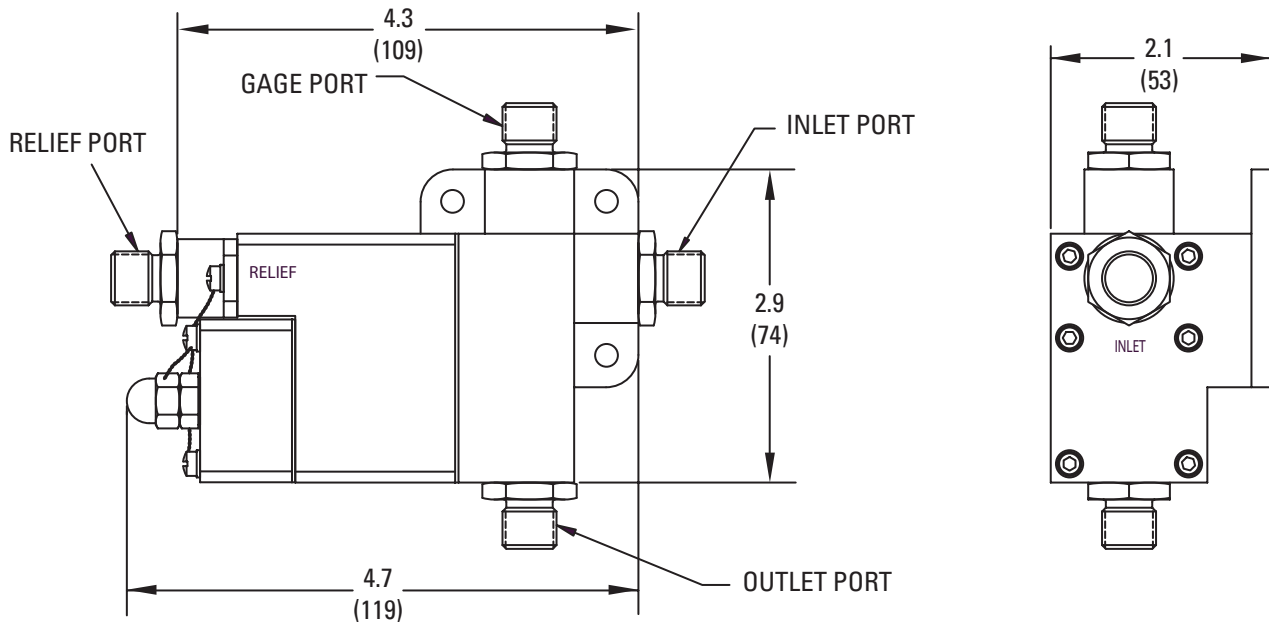
Carleton's high pressure oxygen regulator has been qualified for use and is used as OEM equipment on the P-3 Orion Maritime Surveillance Aircraft.

Features:

Carleton's F103D000-15 high pressure oxygen regulator takes oxygen over a wide pressure range, 300 to 1850 psig, and reduces the pressure to 65 psig with a tight regulation band of +/- 10psi. The regulator body and high pressure internal components are manufactured from the most oxygen safe materials. An integral relief valve protects the downstream system in the case of regulator leakage.

SPECIFICATIONS

Pressure Regulator Part Number: F103D000-15



All dimensions in inch (mm)

Specifications:

Operating Pressure	300 to 1,850 psig	(20.7 to 127.6 barg)
Outlet Pressure	55 to 75 psig	(3.8 to 5.2 barg)
Flow	0 to 150 slpm	
Operating Altitude	0 to 40,000 ft	(0 to 12,192 m)
Weight	2.8 lbs max	(1.27 kg)
Relief Valve Crack Pressure	110 - 130 psig	(7.6 to 9.0 barg)

Operating Environment:

Temperature	-65 to 160 deg F (-54 to 71 deg C)
--------------------	------------------------------------

Product Interfaces:

Inlet	Flareless tube connection MS33514E5
Outlet	Flareless tube connection MS33514E5
Gauge port	Flareless tube connection MS33514E5
Relief port	Flareless tube connection MS33514E5