

CARLETON



GENERAL AVIATION Oxygen Mask/Regulator

- **Improved comfort**
- **High performance diluter demand regulator system**
- **Manual O₂ override**
- **Low maintenance**
- **Communications optional**
- **Universal compatibility**

Application:

The Carleton General Aviation (GA) Mask and Regulator Assembly represents the next generation in general aviation oxygen equipment. When combined with standard oxygen supplies, the new system is a breakthrough in comfort and performance.

Features:

The GA Mask and Regulator Assembly combines a Hans Rudolf oral/nasal half-mask with a high performance Carleton miniature oxygen regulator. The GA system is much more comfortable and provides significantly improved performance over existing systems. Additionally, the manual oxygen override allows users to increase oxygen concentrations to enhance comfort.

The mask includes a high flow, non-compensated exhalation valve along with an integral anti-suffocation valve to protect the user in the event of oxygen supply depletion. The Carleton miniature diluter demand regulator system installs directly into the standard inlet port of the Hans Rudolf mask. The universal compatibility of Carleton's equipment eliminates the cost and logistics problems that would typically come with the development of a custom mask. The regulator system can be installed or removed in under 60 seconds, which lends itself to improved maintainability and reliability.

SPECIFICATIONS

GA Mask/Regulator



Specifications:

Medium	Oxygen
Inlet Pressure Range	40 to 80 psig (2.8 to 5.5 barg)
Flow/Suction	Up to 150 SLPM at suction less than 2.0 in. H ₂ O
Exhalation Resistance	Less than 2.0 in. H ₂ O at 150 SLPM
Weight	0.75 lb (0.34 kg) max
Anti-Suffocation Feature	4.0 to 6.0 in. H ₂ O cracking pressure
Altitude Compensated Dilution Feature	User selectable

Operating Environment:

Temperature	-40 to 120 deg F (-40 to 49 deg C)
Humidity	0 to 100%, Non-condensing
Altitude	35,000 ft ceiling (10,668 m)