

POSITIVE PRESSURE BREATHING OXYGEN MASK (COMMON MASK)

The use of specific Protective Equipment and Flying Clothing by a Fighter Pilot is mission oriented and the importance of providing light weight solutions to enhance long endurance missions is widely acknowledged. Pressure breathing Oxygen mask is one of the critical flying clothing products developed under Common Helmet-Mask Program to meet specific requirements of the Users' operating Fighter Aircrafts. Mask is essentially a life saving device catering to controlled breathing requirements at high altitudes and hence the item has to be retained in the head gear and should not lift beyond a limit to prevent exposure of eyes to wind blast test conditions when subjected to the effects of air friction during the process of ejection. Thus, the retention of the Mask is of paramount importance to ensure the safety and survival of the Pilot.

DEBEL has designed and developed state of art Positive pressure breathing Oxygen Mask for MiG 21, HAWK, Kiran-Jaguar Aircraft and Helicopter Series (Cheeta, Cheetal, Chetak, ALH and Mi-17 Series) and has met various MiL and Def. standards including the wind blast test cleared by RCMA(A/C) for 540/600 KEAS.

The item has undergone extensive User trials, accepted by Users for introduction into Service and airworthiness certificate has been accorded by RCMA (A/C) and RCMA (Hptrs).

Salient Features

- Withstood wind blast Test at 600 KEAS as per MIL-V-29591/1 (AS)
- Inspiratory and Expiratory valve resistance as per Mil-V-27296C & Mil-M-87163A
- Designed to meet pressure compensation characteristics.
- Equipped with Microphone and Anti-suffocation Valve Opening Pressure facility
- Flame retardant high Burst pressure hose
- Centrifuge Mask integration tested and found meeting the requirements

