

# Military ASM



Valcor Engineering Corporation

## DESCRIPTION

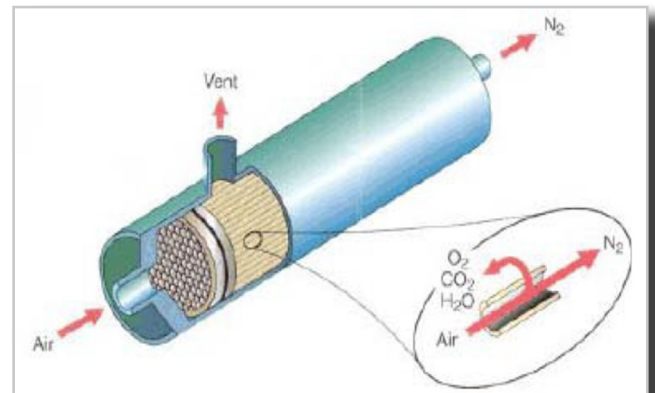
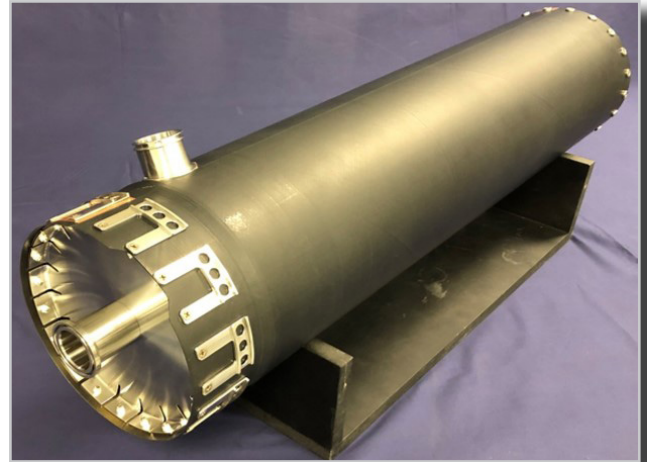
An Air Separation Module (ASM) is at the heart of any fixed wing or rotorcraft On-Board Gas Inerting System (OBIGGS). The ASM is composed of a cartridge with two end sheets brazed together, containing a hollow fiber membrane. The hollow fiber is permeable to most atmospheric gases, separating them from the engine bleed air supplying the ASM. The separated gases are vented to atmosphere. The remaining gas is nitrogen enriched air (NEA).

## APPLICATION

Valcor's Military ASMs are used in any fixed wing or rotary aircraft OBIGGS system that protects the fuel tanks from explosion due to projectile penetration, lightning strike or the failure of electrical system components such as fuel and oxygen sensors. Our Gen-2 systems are more adaptable for customization, and easier to refurbish during normal maintenance cycles.

## WHY CHOOSE VALCOR?

- 70 years of space, military and commercial aircraft and experience
- 40+ years of ASM design, development and customization
- ASM operating pressures of 40-100 PSIG standard; other pressures available
- No insulation required for low ambient air operating temperatures to -40° F
- Cost effective ownership from initial purchase to routine maintenance
- Approved supplier to most aircraft manufacturers in the free world
- Custom engineered solutions for simple and complex applications
- Partnering with you to improve the design and performance of your existing systems



*Valcor specializes in custom designs.  
Contact us today to see how we can help on your next project.*

Valcor Engineering Corporation  
2 Lawrence Road | Springfield, NJ 07081 | (973) 467-8400  
FuelTankInertingSystems@valcor.com | www.valcor.com