

## Duplex Low-Pressure Air Membrane Dehydrator

Designed specifically to fulfill requirements of SHIPALT LHA1-858K.

### Description:

The Model 7162 membrane dehydrator takes ship's service air at 80 - 125 psig and +60° F dew point and further dries the air to a +35° F dew point or lower. This air is used to operate critical engineering control equipment.

Each membrane dehydrator is a completely redundant system. Each filter/membrane circuit can deliver up to 48 scfm of dry air, while the other circuit is on standby.

Ultra-compact layout eases installation problems in crowded engineering spaces.

Simple, reliable membrane dehydration requires no heat, no electricity, no chilled water, no refrigerants to produce dry air. Essentially no maintenance other than occasional filter replacement is expected.

### Specifications:

**Air Capacity:** 0 - 48 scfm in each circuit

**Pressure:**

Normal Operating (Inlet): 80 - 125 psig  
Design: 150 psig  
Proof: 225 psig

**Temperature:**

Operating Ambient: 50° to 120° F  
Inlet Air, maximum: 120° F

**Moisture Content:**

Inlet: Saturated @ inlet press. and 60° F, maximum  
Outlet: +35° F at pressure

**Operation:** Automatic

**Duty:** Continuous or intermittent

**Power Requirements:** None



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