



### **DUSTY DOG CABIN PRESSURISATION SYSTEM OVERVIEW:**

- Cabin Pressurization Hepa (h13/h14) System with CO2 detector and Cabin monitoring system Complies with ISO 23875:2022
- Digital display in cabin pressure monitoring
- Low pressure audibles and visual alarm with adjustable pressure range
- Machine specific air conditioning ducting to ensure HEPA Fed air to Factory A/C system
- System Maintains A/C temperature as low as 7 degrees during positive cabin pressurization of 20-200 + PA.

### **TECHNICAL SPECIFICATIONS:**

- 20-200Pa (0-50mm H2O) operating pressure range
- 1Pa (0.1mm H2O) sensor resolution
- Variable voltage 12/24volt
- Relay output (NC/NO) for Engine shutdown
- Optional hydraulic function cut-off when cabin door open
- Separate CO2 and cabin pressure monitoring circuits to ensure individual circuit continues operation during fault

### **CO2 MONITORING TABLE:**

| Alarm Type | Alarm Level | Time Before Alarm | Alarm Indication |
|------------|-------------|-------------------|------------------|
| Low Level  | 70ppm       | 1Hr 4Min          | Yellow LED       |
| Mid Level  | 150ppm      | 12Min             | Red LED          |
| High Level | 400ppm      | 35Sec             | Yellow & Red LED |

### **ISO23875:2022:**

1. CO2 Level must not exceed 400PPM
2. Cabin pressurisation minimum 20PA – maximum 200PPA

