



*Instructions: Insert the following paragraphs into your specifications to ensure that your new apparatus is equipped with class 1 components*

## **AIR MINDER**

### **INSTRUMENTATION:**

#### **Breathing Air Level and Warning System**

The apparatus shall be equipped with a Class I Air Minder mounted (specify location), to give the engineer/firefighter visible indication of the air remaining in the breathing air system, plus to offer visual and audible warning when the level becomes too low.

The Air Minder system shall include:

1. A weatherproof, pressure transducer mounted in the air line between the air bottles and the high pressure regulator.
2. A remote display mounted on the (specify location). This display shall consist of a weatherproof housing with a black non-reflective bezel and a bright red LED readout (readable in sunlight), scaled 0 to 100, and labeled "% Air Remaining". The display shall incorporate a low pressure warning circuit, which causes the display to flash when 20% maximum air bottle capacity remains in the air system and sounds an audible alarm when the remaining air level drops to 10% of maximum air bottle capacity.
3. Appropriate wires and connectors to hook up the display to the pressure transducer and to the vehicle's 12-14 volt electrical system.
4. An audible horn mounted near the display.

An automatic low pressure switch mounted near the display which will turn off the power to the Air Minder warning horn when the supply line pressure drops below 5 PSI