



MEDICAL AIR TREATMENT SYSTEM WITH REFRIGERATED AIR DRYERS 3DRZ10-50

The EMSE CORPORATION continuous duty Medical Air Treatment system with refrigerated air dryers is a completely packaged NFPA 99 and NEC compliant assembly featuring dual refrigerated air dryers, dual 0.5 micron after-filters, line pressure regulating valves, dew point monitor, CO monitor and other accessories required to meet and exceed the current code requirements. All components are pre-piped and pre-wired to single-point service connections. The only field connections are air intake, air discharge and the power connection. All inter-connecting copper/brass piping as well as wiring is completed and operationally tested prior to shipment. The entire system is mounted on a space saving stack base.

Each unit consists of two identical banks of air treatment equipment, piped in parallel and provided with valves to by-pass either filter set for element replacement, maintenance and repair work on one of the sets while still treating medical compressed air through the other set without any sacrifice in air quality.

Refrigerated self-contained air dryers utilize the minimum refrigerant charge for maximum environmental safety. No CFCs used. Maintenance-free high efficiency refrigerant compressors are standard. Moisture separator with automatic drain remove moisture down to +35°F pressure dew point.

0.5 micron after-filters are prime efficiency coalescers with particle removal down to 0.5 micron.

Downstream pressure regulators maintain constant discharge pressure of 50 PSIG plus or minus 10% (field adjustable).

Digital dew point and CO monitors with alarm set points at 39°F and 10 PPM are provided with dry contacts for connection to remote alarm panels.

A "demand check" for maintenance is included per current NFPA 99 for each instrument.

The Medical Air Treatment System and its component parts will undergo a complete electric and pneumatic test prior to shipment.

The Medical Air Treatment System is guaranteed by the manufacturer for a period of 12 months from the date of start-up or 18 months from the date of shipment (whichever comes first) against defects in design, materials, or construction.

The service of a factory trained representative will be available at the jobsite to check installation, start-up and instruct operating personnel in proper operation and maintenance.

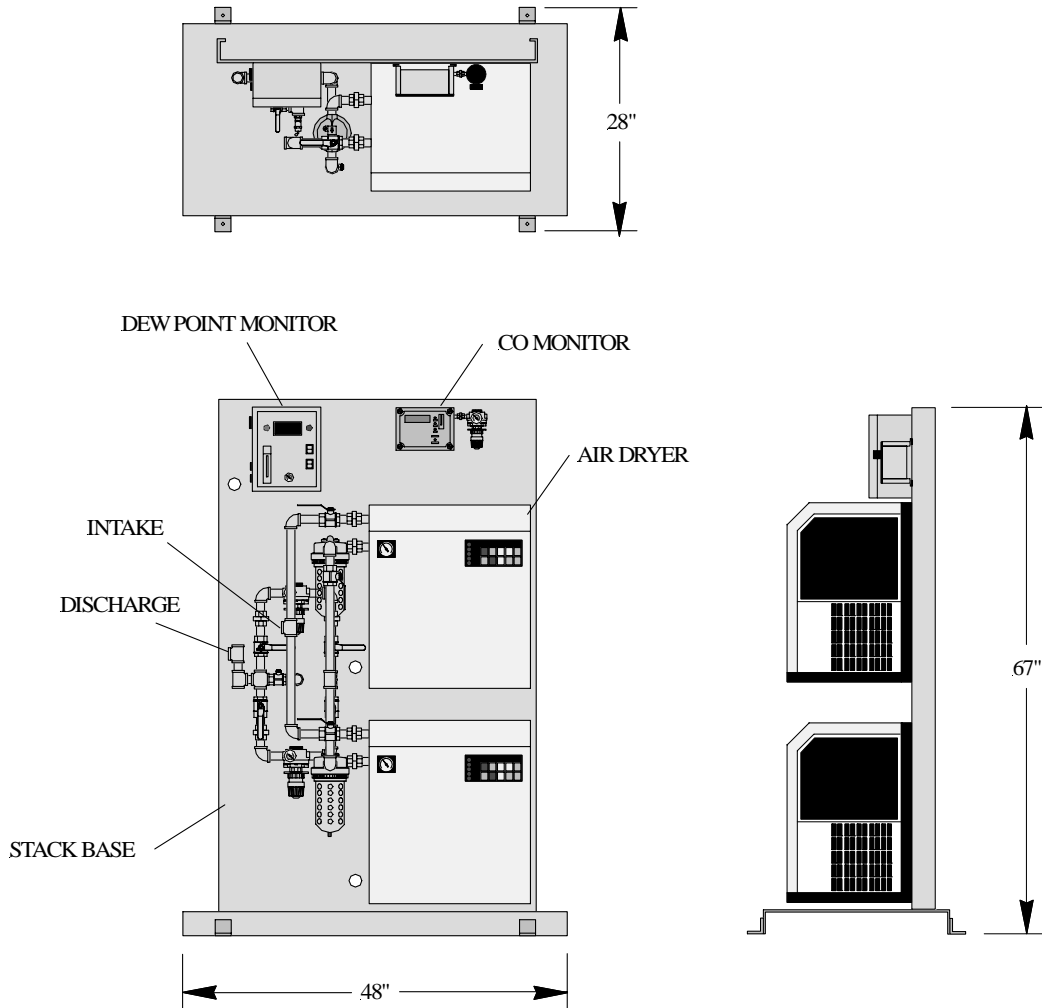


Optional System Accessories

(only checked options will be supplied)

- "No freeze-up" cycling dryers
- Electronic dryer drain upgrade
- Pre-filter and odor removal filter package

MEDICAL AIR TREATMENT SYSTEM WITH REFRIGERATED AIR DRYERS 3DRZ10-50 LAYOUT AND PERFORMANCE TABLE



Model Number	Capacity at 100 PSIG and 100°F	In/out conn.	Voltage	Compressor HP	Weight
3DRZ10	10	1/2"	1-60-115	1/5	350
3DRZ18	18	1/2"	1-60-115	1/5	360
3DRZ24	24	1/2"	1-60-115	1/3	380
3DRZ35	35	3/4"	1-60-115	1/3	520
3DRZ50	50	3/4"	1-60-115	1/2	540