

AIRSEP OXYGEN CONCENTRATOR, 6515-01-434-4629

a. When testing the AIRSEP oxygen concentrator for purity, it is recommended that you use a Fluke Biomedical Gas Flow Analyzer, model VT Plus or equivalent O₂ measuring device with a waveform producing capability. The VT Plus produces a waveform which enables you to identify occasional O₂ output purity fluctuations. This waveform should remain fairly level and fluctuation of the oxygen levels should be minimal.

b. When using alternative test equipment to verify the concentrator, it may appear as though the concentrator is passing the purity tests; however, visibility of intermittent fluctuations where the purity drops below acceptable oxygen levels may be unseen. Low purity is primarily a result of bad sieve beds. Additionally, a bad mixing tank can also cause fluctuations in the oxygen purity. Anytime you replace the sieve bed assembly, part #BE001-1R, you should also replace the mixing tank assembly part #TA-089-3.

c. There are two versions of this O₂ concentrator on the market. The newer version includes a design change that is not in the Original Equipment Manufacturer (OEM) service manual. In the older version, the pressure outlet is located on the right side as you face the front of the unit. In the newer version, the pressure outlet is in the rear of the unit; however, access it from the right side. Remove the right side cover and locate the tube with the pressure outlet attached. Connect your pressure gauge to this tube. All other aspects of the testing are the same.