

Nidek Medical Oxygen Concentrator Service and Maintenance Log

Model Number _____

Serial Number _____

Initial Inspection

1. Upon receipt, check the unit for shipping damage. Notify shipping company if damaged.
2. Verify that cabinet air filter and the inlet air filter are in place.
3. Plug the unit into an electrical outlet, turn the unit 'ON,' and check the audible/visual alarms.
4. Set the flow meter/flow control at the maximum recommended flow rate and allow the unit to run for 15 minutes.
5. Using a calibrated oxygen analyzer, verify concentration is greater than 87 percent.

Routine Service Check

Perform routine servicing as shown in the chart below. Record the activities performed in the log provided on the following page.

1. Record the elapsed usage time in hours.
2. Check oxygen concentration with a calibrated oxygen analyzer.
3. Verify audible alarm and indicator light functions between patients and every two years.
4. Inspect filters and replace as necessary.

Between-Patient Maintenance

1. Remove oxygen tubing, cannula, and humidifier bottle and discard.
2. Wash or replace the humidifier tubing if used.
3. Wash or replace the cabinet air filter.
4. Clean the concentrator cabinet.
5. Check oxygen concentration and flow. If the unit performs within specification, the final product filter does not need to be replaced between patients.

Patient/Caregiver Maintenance

1. Inspect the Oxygen tubing, cannula, and humidifier bottle - clean as needed according to manufacturer's instructions.
2. Wash the cabinet air filter weekly with a mild detergent solution. Dry before reinstalling onto the device.

The routine service intervals shown below depend on the conditions in which the devices are used. They reflect the **minimum recommendation** when operated in a clean environment. As conditions can vary widely, the homecare provider or patient caregiver is responsible to determine:

- the character of the environment in which the concentrator is to operate.
- a maintenance schedule with intervals based on the environment in which the unit is operating/functioning.

Standard Servicing Intervals are shown below. Intervals used by the homecare service provider and/or patient caregiver should be more frequent when conditions of usage dictate.

Nidek Medical Oxygen Concentrator Routine Service Intervals				
Check Percent Oxygen Concentration	Cabinet Air Filter	Inlet Air Filter	Final Product Filter	Capacitor
OCSI Models: Every 15,000 hours or 3 years. Std Models: Every 5,000 hours or 1 year.	Wash the filter each week in a mild detergent solution. Dry before reinstalling.	Inspect at each patient visit. Replace every 2 years, or more often depending on environment.	Replace at each compressor service / module replacement.	Replace at each compressor service / module replacement.

