
What Makes a Good Oxygen Concentrator?

Sanrai has thirteen years of experience in supplying oxygen concentrators (OCs). We know what it takes to produce and supply a robust and reliable machine that will provide 10,000+ hours of use:

1. Quality components

- **Compressor:** The compressor is the engine of any OC. Concentrators can run for 20 hours a day, 7 days a week. Cheaper OCs using inferior components will wear out faster, resulting in a broken compressor and expensive servicing. The compressor must also be able to perform to standard in harsh environments with high dust, heat, and humidity.
- **Sieve material:** Sieve material (zeolite), is what separates the oxygen from the rest of the gases in the air. Quality sieve material is only produced in the US or Europe. Without high quality material, a concentrator will not produce medical grade (over 84%) oxygen at higher flow rates or for more than six months,
- **Robust design and build.** A strong plastic exterior with a sturdier build means less damage during transit, especially over bumpy roads. Robust internal fixations to hold and support the components, reduce the chance of internal breakage.

2. **Filters:** These are an OC's first line of defence, preventing dust from entering the compressor. The air intake filter is very important to keep an OC working and producing oxygen for the long term. Filters need to be regularly cleaned in order to keep working correctly. A typical cabinet filter is washed every few days and the intake filter is replaced after 6 to 12 months.

3. **Alarms and purity monitors:** Alarms are used to notify the patient if anything goes wrong. A good concentrator should have the following alarms: low oxygen flow, low/high pressure, high temperature, and low oxygen purity. The oxygen purity alarm is the only way to ensure medical grade oxygen (above 84%) is being produced. Be wary of OCs without a low purity alarm as they do not supply medical grade oxygen at higher flow rates.

A complete offer

A concentrator is of little use without service and support. Sanrai provides full technical and service training ensuring that your technical team are fully educated in how to service and repair our OCs. Sanrai can train hospital staff and Biomedical Engineers in servicing, best practices and daily use. We provide ongoing training via video conference and share our *How to Service* video walk-throughs. It is essential to perform regular maintenance for concentrators to operate at peak performance for the long term.

Warranty and replacement parts

We provide replacement components enabling your technical team to make any necessary repairs. Having components in-country allows for a swift repair, minimising downtime. We guarantee our units will be reliable in the field, greatly reducing the costly need for regular and expensive callouts. Our standard warranty is 3 years, or 10,000 hours for the sieve beds, compressor, and PC board.