

Model	Component	Description
Onboard oxygen generator	Rotameter	Note rotameter value and compare with previous readings. Adjust flow by using oxygen generator rotameter knob
Onboard O2 generator	Oxygen generator air circulation	Check the fan and the inlet foam filter. Follow manual instructions to clean the foam filter
Onboard Ozone generator	Oxygen generator flow	Check for internal gas leakage. Detach the main compressor inlet tubing. Gas must flow from O2 generator.
Onboard Ozone generator	Ozone generator fan	Remove fan cover and visually inspect the fan. Inspect foam filter and replace/clean if needed.
Onboard Ozone generator	Ozone generator settings	Check rotameter value and ozone concentration. Adjust ozone concentration if desired. Max value must be below 80% for continuous operation.
Enriched	Enriched air pressure regulator	the outlet of the regulator is located outside the unit right under the regulator. Air must constantly flowing out under the unit.
Enriched	Enriched air pressure	Enriched air pressure must between -2 to +5 Psi. Adjust the pressure by turning the enriched air back pressure regulator while the unit is running
Enriched	Enriched compressor flow	Detach the tube between primary compressor and prism. Check gas flow.

Preventative Maintenance Schedule

Moleaer offers preventative maintenance kits that includes all the components that needs to be replaced as noted in the below table.

Schedule	Description
Week 1	Perform monthly inspection
Week 2	perform monthly inspection
Week 4	perform monthly inspection
6 months	Perform monthly inspection
	Replace main compressor air filter (all units except standard)
	Clean O2 generator enclosure (onboard O2 units only)
1-year	Perform monthly inspection
	Visually inspect electrical enclosure. Look for heat marks & loose wires. Wipe out condensed water.
	Perform CIP
	Replace main compressor capacitor (All units except standard)

Schedule	Description
	Replace main compressor air filter (All units except standard)
	Replace enriched air compressor capacitor (enriched units only)
	Swap O2 generator foam filter (onboard O2 units only)
	Clean O2 generator enclosure (onboard O2 units only)
	Clean ozone generator fan filter (onboard ozone units only)
	Replace ozone generator check valves
18 months	Perform 6 months maintenance
	Perform 1 year maintenance
	Replace DO sensor
	Rebuild O2 generator feed and waste solenoid valve (onboard O2 units only)
	Reseal O2 generator compressor (onboard O2 only)
	Replace O2 generator mount sandwich (onboard O2 only)
2 years	Replace O2 generator Equalization valve
2.5 years	Perform 6 months maintenance
	Perform 1 year maintenance items
	Check and adjust set pressure of the enriched air back pressure regulator (All units except standard)
3 years	Check and adjust set pressure of the main back pressure regulator (All units except standard)
3.5 years	Perform 6 months maintenance
	Perform 1 year maintenance
	Calibrate Prosense pressure switch
	Replace DO sensor
	Rebuild O2 generator feed and waste solenoid valve (onboard O2 units only)
	Replace O2 generator compressor (onboard O2 only)
	Replace O2 generator Equalization valve (onboard O2 only)
4 years	Optional: Replace Prism membrane tank (enriched units only)

Schedule	Description
	Optional: Reseal pump (locate pump brand on the unit and contact Moleaer)
	Optional: Replace or calibrate all pressure transducers.

Preventative Maintenance Kits

NOTE: Neo Standard version does not require any maintenance kit.

NOTE: Maintenance Kits include the Airsep Oxygen generator service kits.

Neo with onboard oxygen generator	
Part Number	Description
99E0-161	1 year preventative maintenance kit, All Neo models with oxygen generator
30K0-006	Maintenance kit, 2 years, Neo 50 with onboard Oxygen generator
30K0-007	Maintenance kit, 4 years, Neo 50 with onboard Oxygen generator
30K0-008	Maintenance kit, 2 years, Neo 150 and Neo 250 with onboard Oxygen generator
30K0-009	Maintenance kit, 2 years, Neo 150 and Neo 250 with onboard Oxygen generator

Neo with Enriched Air Option. All Models	
Part Number	Description
30K0-010	Maintenance Kit, 1 year, Neo, Enriched Air, US & EU
30K0-011	Maintenance Kit, 2 years, Neo, Enriched Air, US & EU
30K3-012	Maintenance Kit, 4 years, Neo, Enriched Air, US & EU

EU Lowara Pumps Specifications Sheets

Most Neo EU units are equipped with Lowara centrifugal flooded suction pumps. Always check your unit's pump model and brand before referring to this section. For all other pumps, contact Moleaer for specifications.

NOTE: A flooded suction in a centrifugal pump is where liquid originates. The liquid is held at a level above the suction port of the pump and allows liquid to arrive at the pump through gravity. In order to operate this pump, liquid must already be within the flooded suction.