Troubleshooting Form

for AS-D+ – AS-Z Oxygen Generators

Customer Name	Company Name	Date

Model Number	Serial Number

Please fill in the data below to help an AirSep Service team member troubleshoot the oxygen generator. It is important to have a copy of the instruction manual to identify the location of the different components and to ensure the proper operation of the oxygen generator. Contact cpd@caireinc.com for the most up-to-date manual.

The data should not be recorded until the oxygen concentration has stabilized at the generators rated oxygen flow, for at least 15 minutes.
The oxygen generator should be operated in the manual position and at the designed oxygen flowrate.

Air Compressor:

Highest Reading	Lowest Reading	Load Setting	Unload Setting

Air Receiver Pressure:

Highest Reading	Lowest Reading

Oxygen Generator:

Highest Bed A Pressure Reading	Lowest Bed A Pressure Reading	Highest Bed B Pressure Reading	Lowest Bed B Pressure Reading

Oxygen Receiver:

Highest Reading	Lowest Reading

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Waste Profile:
To perform a waste profile test, drill a $^{1}/_{32}$" hole in the outer muffler element on each muffler element to get the proper oxygen sample flow. The hole size only needs to be the same hole size as in the outer muffler screen. The hose on the oxygen meter for sample should be no longer that one (1) foot long.

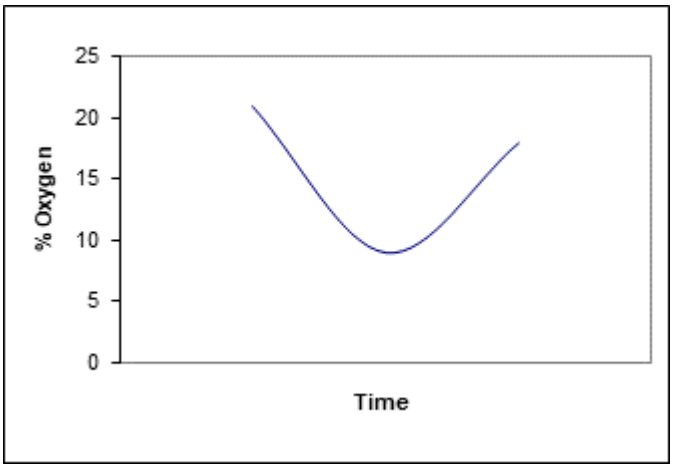
The typical waste profile is 10 – 17.

Waste Profile Numbers:
The lower the number, the better the adsorption.
The number increases as the oxygen purges out the nitrogen.
During the beginning of blowdown, the oxygen percentage decreases (the bed is saturated with nitrogen at this point).
During the later stages of blowdown, the percentage of oxygen should increase (purge oxygen from pressurized vessel).

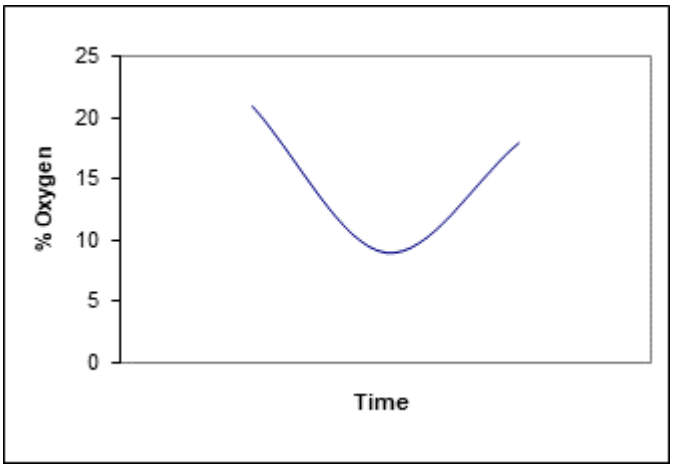
To Perform a Waste Profile:
1. Identify the waste valve that is open.
2. Hold the analyzer up to the muffler or connect.
3. Record the lowest number.
4. Record the high number when the waste valve closes.
5. Repeat for opposite bed.

Lowest Bed A Reading	Highest Bed A Reading (when waste valve turns off)	Lowest Bed B Reading	Highest Bed B Reading (when waste valve turns off)

Oxygen Concentration (%)	Oxygen Flow (SCFH)



Bed A



Bed B

Comments

SUBMIT

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