Title:	N2 O2 Gassing Option Performance	ID:
		0352

Date in:	Response:	Model:	Author:
2010-04-21	2010-04-21		CMa

Q:

1) Your flyer says the N2 controlling range is 75-99%(%vol). What the potential customer is looking for is O2=1.0% and CO2=0.5%. Can it be controlled ? Can it be achieved by having both N2 gassing option and CO2 gassing option ?

2) The potential customer concerns about O2% increase when the gate opens/closes. Is there a data showing O2% change in STX220 chamber at Unload/Load, under O2=1.0% controlling ?

3) Please advise me the lifetime of the O2 sensor used in N2 gassing option.

A:

1) Yes, by displacing O2 with N2 you can achieve both 1% O2 and 5% CO2.

2) Yes, when the gate opens for all products you will have fluctuations of O2 and CO2%. We have a customer in the US we designed a unit that uses two N2 inlets, one has a bigger inlet so when O2 levels go above a certain % we rush N2 into the unit. Once the levels go back to under 1% we then control with the normal N2 inlet. They are very happy and ordered 3 of these units.

3) These sensors can last 10 years.