Function principle CB….

with superimposed nitrogen, to compensate for the thermal expansion of

hazardous liquids, for example Ethylenoxid
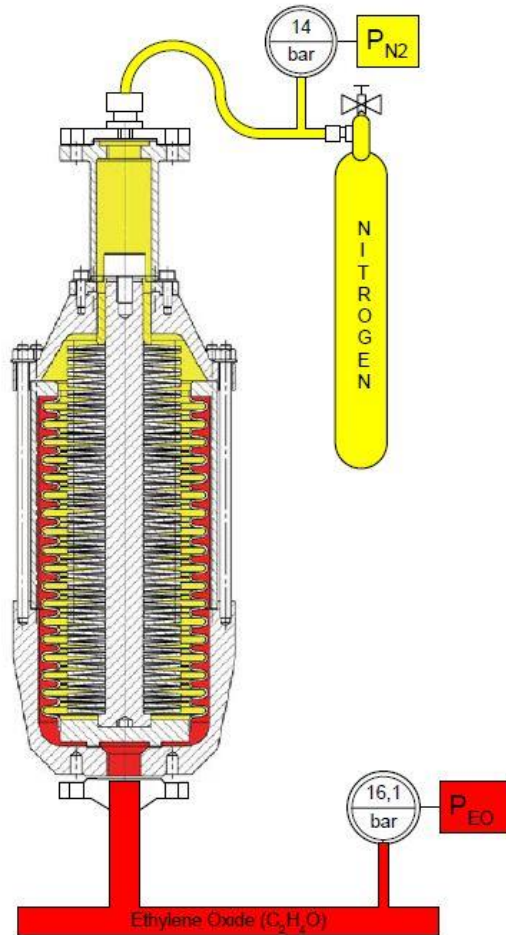

Image 1: $P_{EO} = P_1$
P_1 = 16, 1 bar
compensated volume $\Delta V = 0\ dm^3$

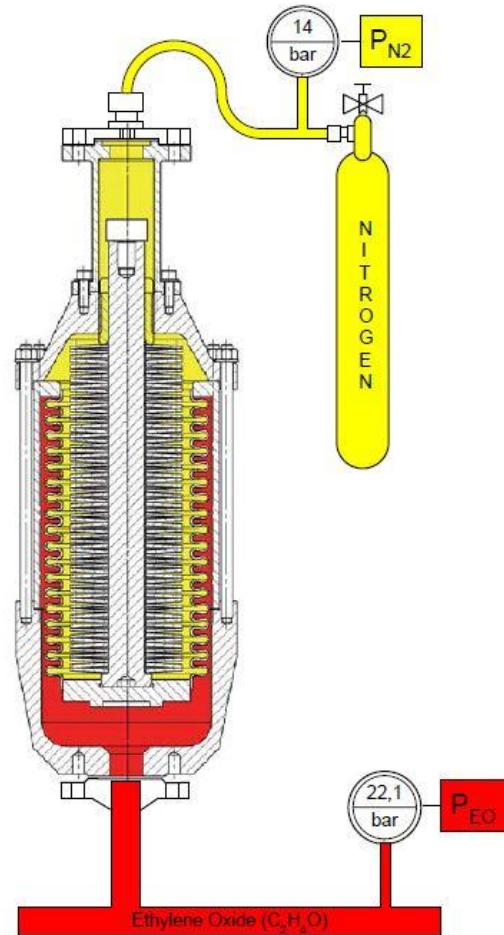Image 2: $P_{EO} = P_1 + \frac{1}{2} (P_2 - P_1)$
P_1 = 16,1 bar; P_2 = 28,1 bar
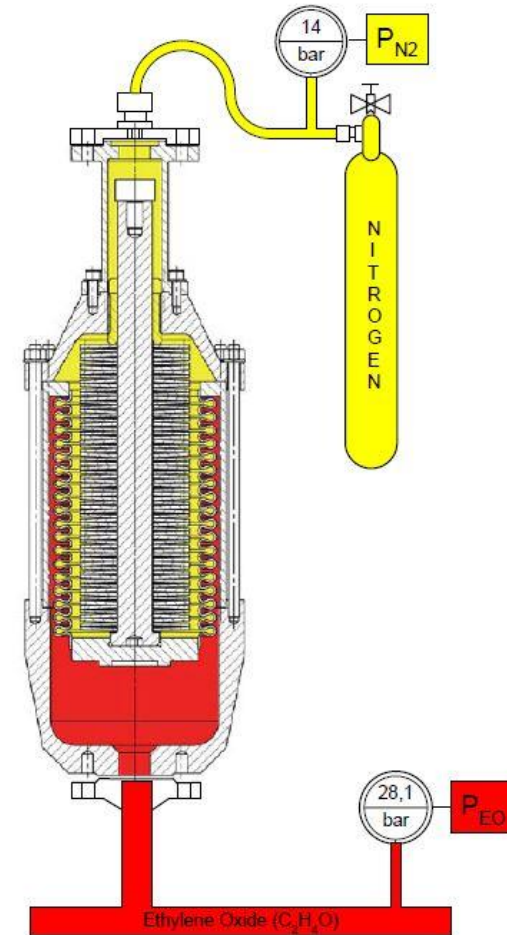compensated volume $\Delta V = 0{,}885\ dm^3$

Image 3: $P_{EO} = P_2$
P_2 = 28,1 bar
compensated volume $\Delta V = 1{,}77\ dm^3$