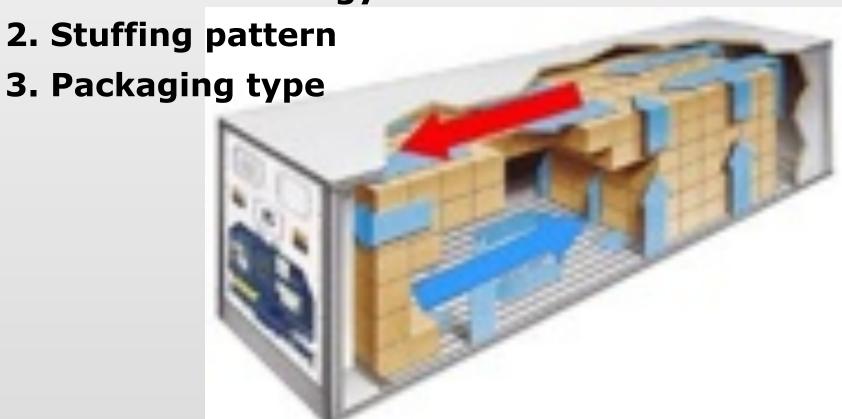
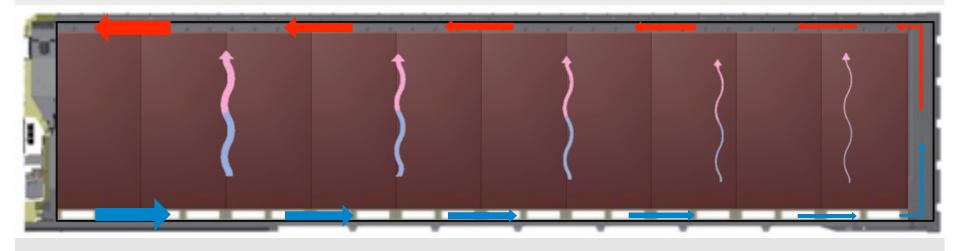
AIRFLOW

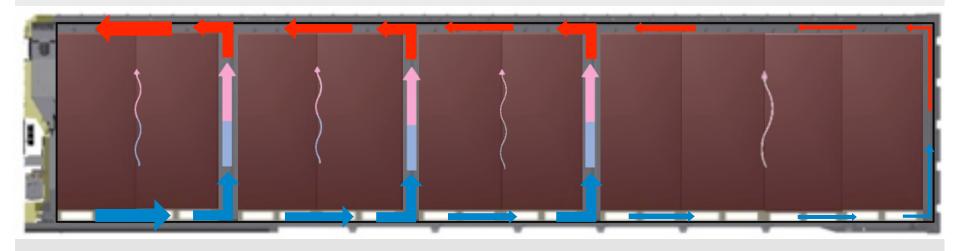
1. Reefer technology













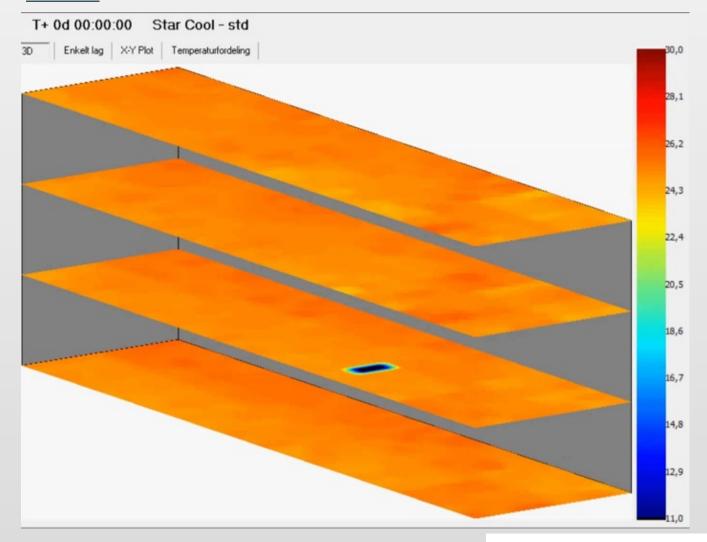






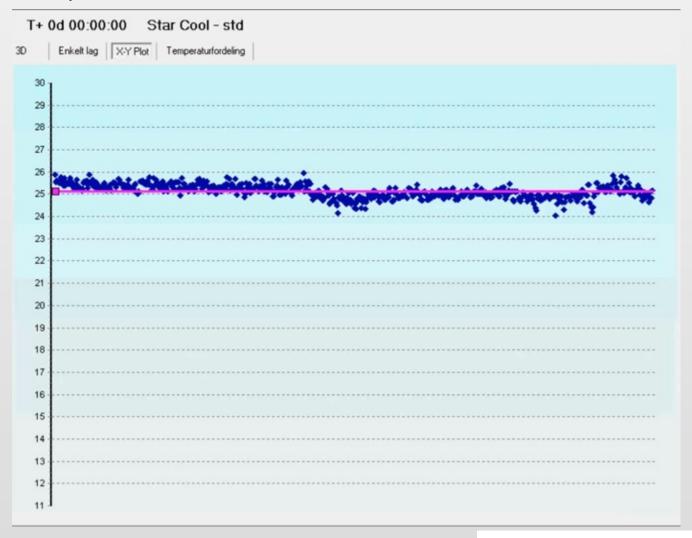


1. Std 3D



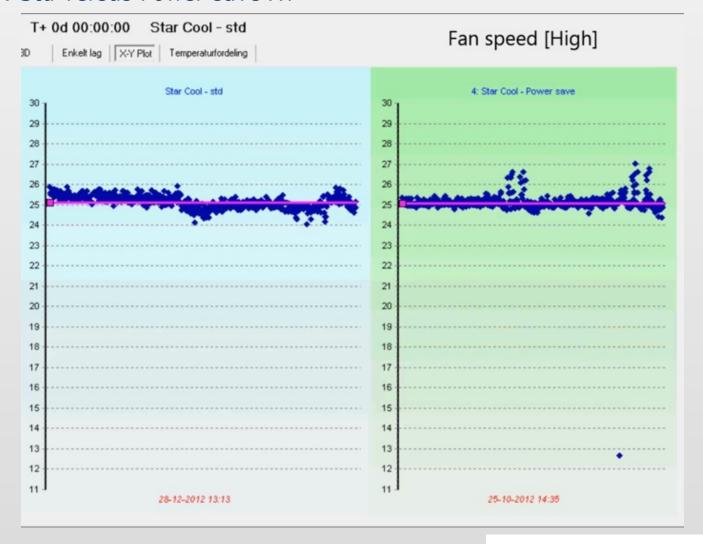


2. Std xy





3. Std versus Power save XY





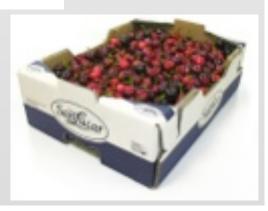
Packagings





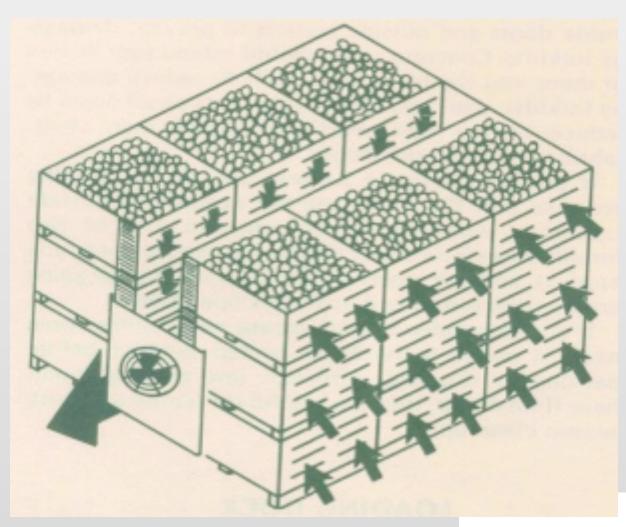








Cold store – forced air cooler





Some like nice packagings





Some want them to be sturdy





Some want them big enough to fit the fruit





Some want them big enough to fit the bum





Some want them to be suited as hideout





Some want them suitable for airplane construction





According to which criteria do you select your packaging?













Star Cool CA Integrated, patented membrane system

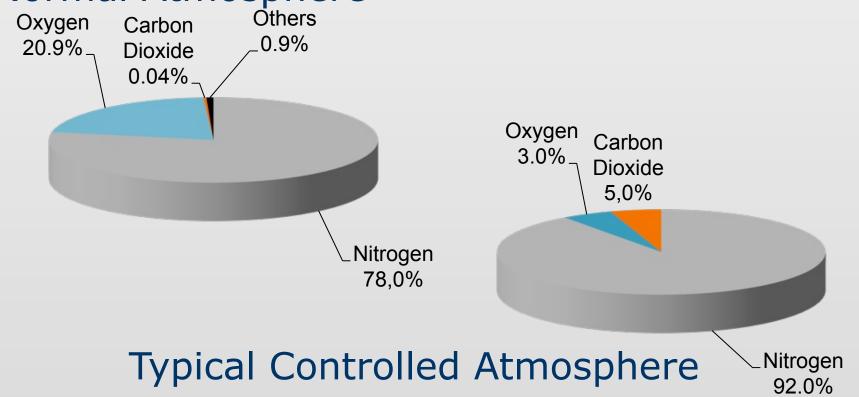
- *** Optimised for high respiring commodities**
- **Set-points:** CO₂ from 5-12% & O₂ from 3-21%





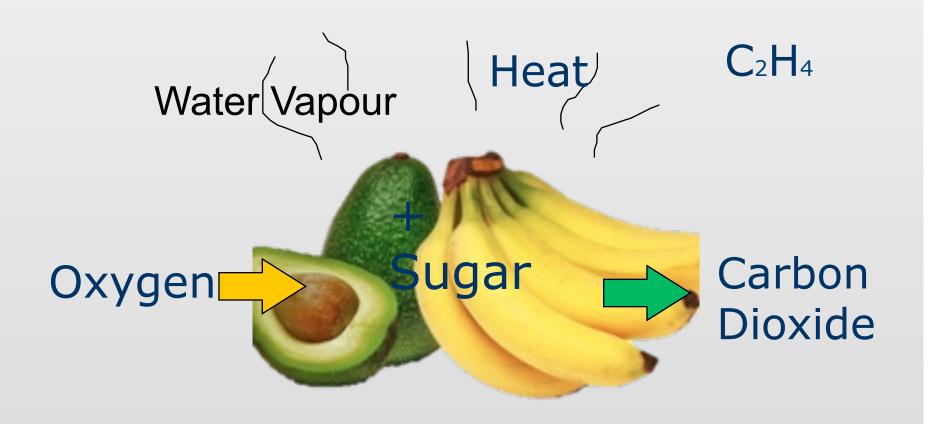
Atmospheric Gas Composition

Normal Atmosphere





Respiration

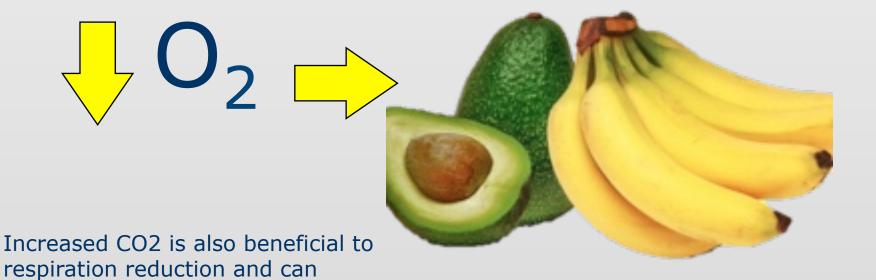




Reduction of oxygen reduces respiration

suppress the growth of certain

moulds

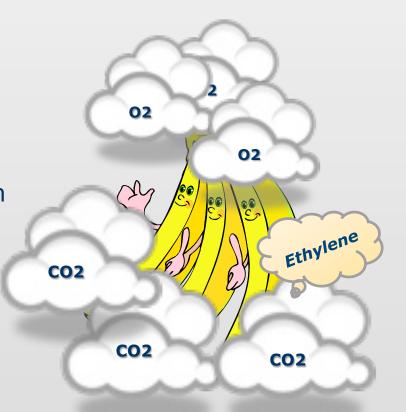


MAERSK

CONTAINER INDUSTRY

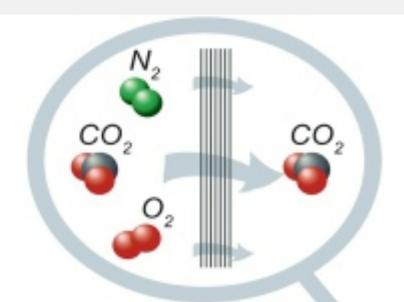
How does it work?

- Through respiration, the fruit will:
 - consume Oxygen (O₂), slowing down respiration
 - produce Carbon Dioxide (CO₂),
 contributing to lower respiration
 & suppressing the release of ethylene



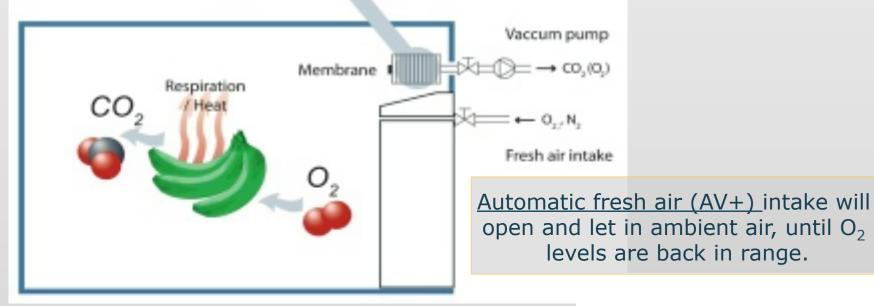
...but, how to remove undesirable CO2 without increasing the O2?





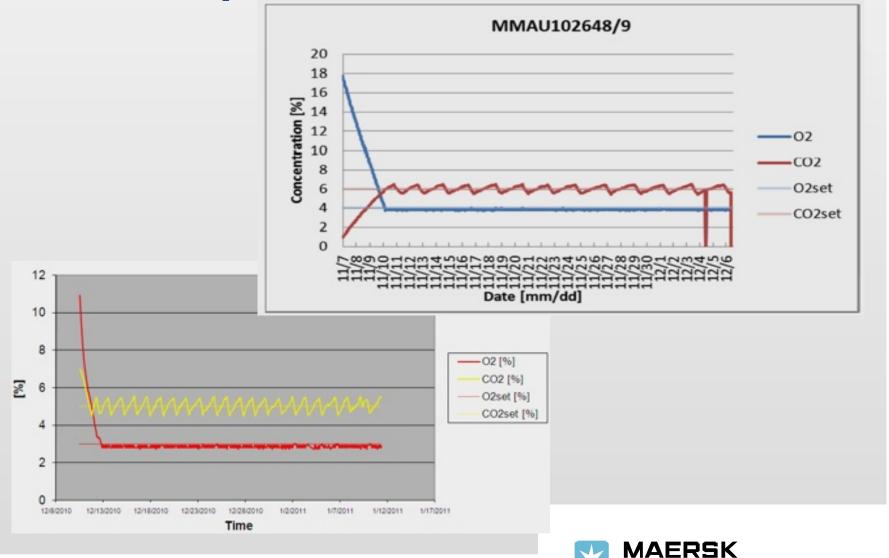
How? Membrane Technology!

CO₂ molecules will easily pass through the membrane and out of the container, whereas only few Oxygen and Nitrogen molecules will be allowed to pass.



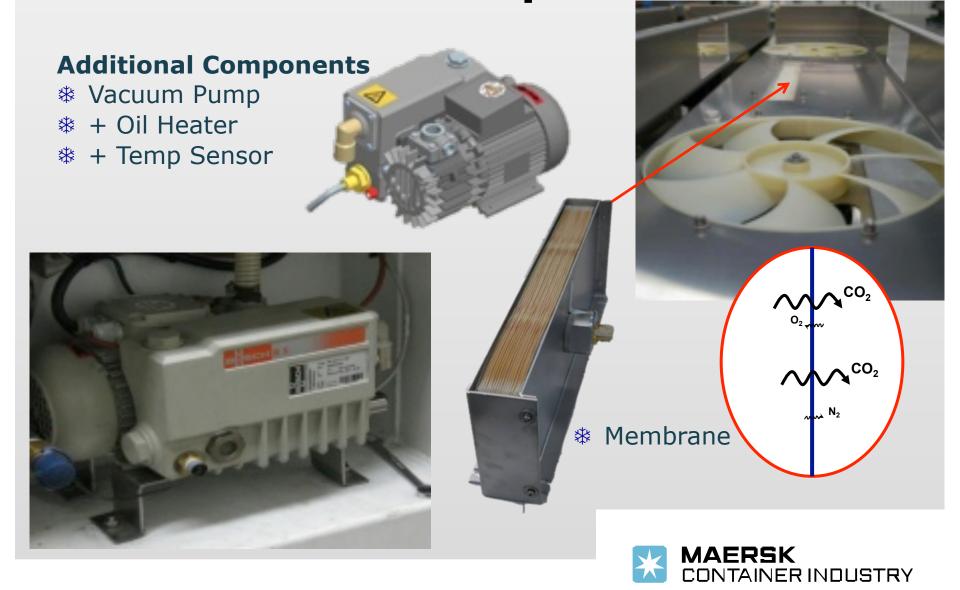


Avocados/Bananas: SAM - N. Europe

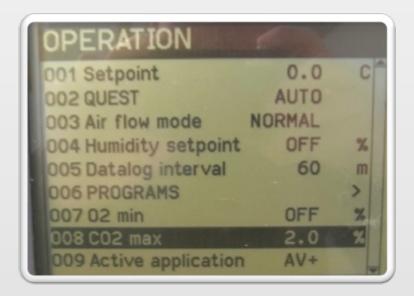


CONTAINER INDUSTRY

Star Cool CA: Components

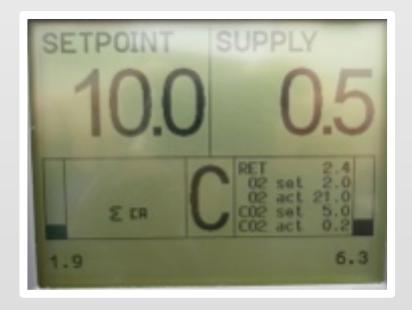


Star Cool CA: How to set & read?



Standard Components

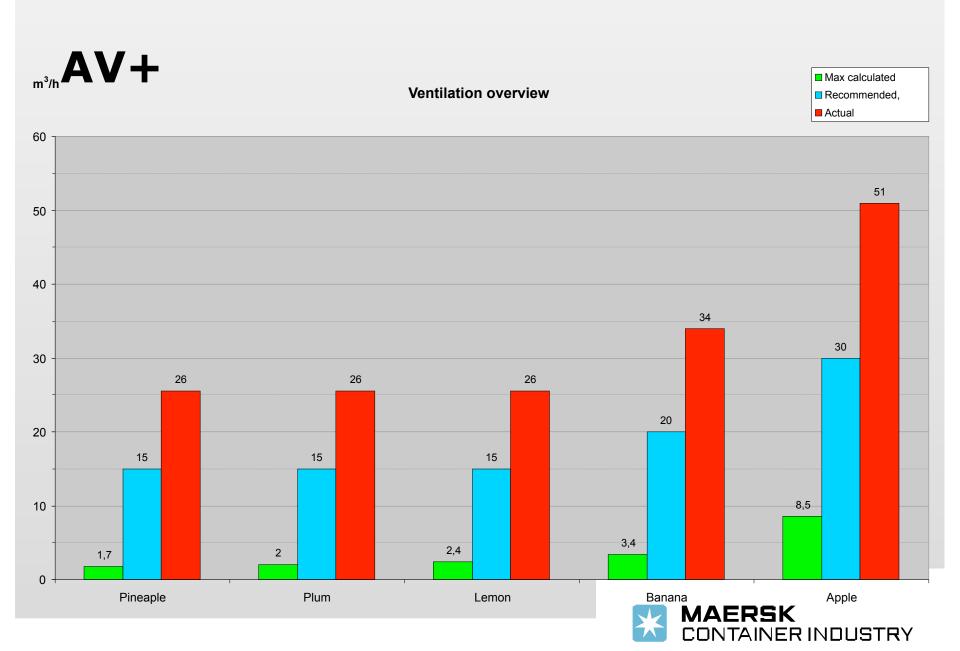
- * All CA functions accessed via reefer controller
- * All CA data displayed and recorded via reefer controller





<u>AV+</u>





AV+ video



Benefits of AV+

- ✓ Maintain higher humidity in the box
- ✓ Alarm against malfunction (In-range, CO2 sensor, Motor)
- ✓ Possibility to include ventilation in MTS
- √ High/Low speed on fans have no influence
- ✓ Actual heat production (respiration) have no influence
- ✓ Mechanical tolerance and adjustment have no influence
- √ Manual setting still possible
- ✓ Remote setting

