# The Perils of Shipping with Reefer Containers and Flexi Tanks

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Demers Adjusters

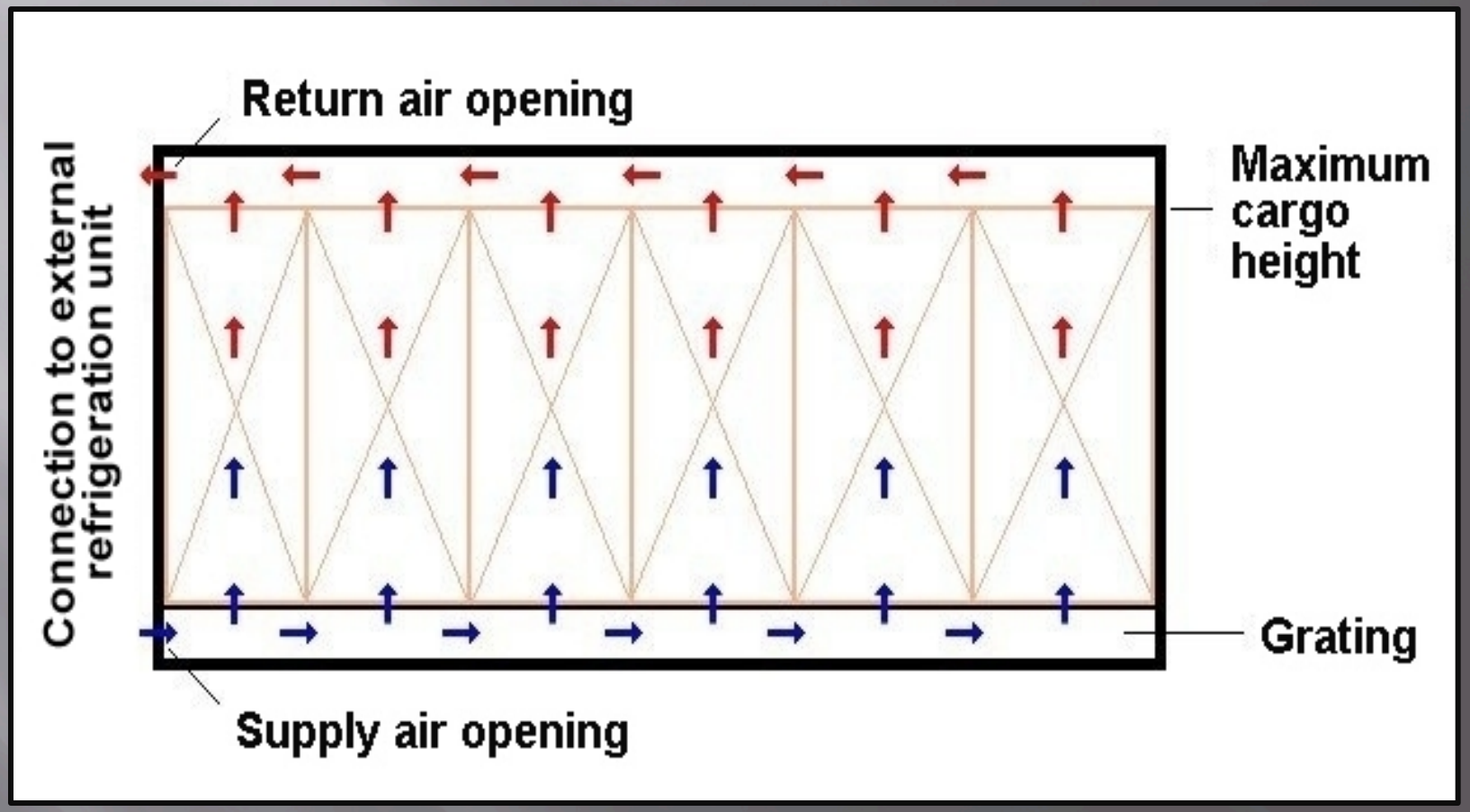
# REEFER CONTAINERS AND PRODUCE TRANSPORTED

1. Basic construction and function of a reefer
2. How produce reacts in containers
3. CA and MA (Controlled Atmosphere and Modified Atmosphere)
4. Flexi Tanks

# Function:

- 2 methods: Conduction (passive) & Convection (forced air), the latter being the reefer method. Convection:
- The cold temperature supply is at the opposite end of the doors (location of reefer unit on left of below diagram).
- The reefer unit is fitted with cooling coils and blowers; basic refrigeration units by way of forced air.
- Air is blown and directed to the floor of the container via a baffle plate.
- The air flows through the elevated grates on the floor, to the rear (doors) then flows over the top of cargo at the doors and is then sucked back to the front by a return air suction at the top of the reefer unit.

# Some air will also flow up and threw the pallets loaded in the container.



# OVERALL VIEW OF VENT INTAKE FROM EXTERIOR OF REEFER

# CLOSE-UP OF VENT SETTING

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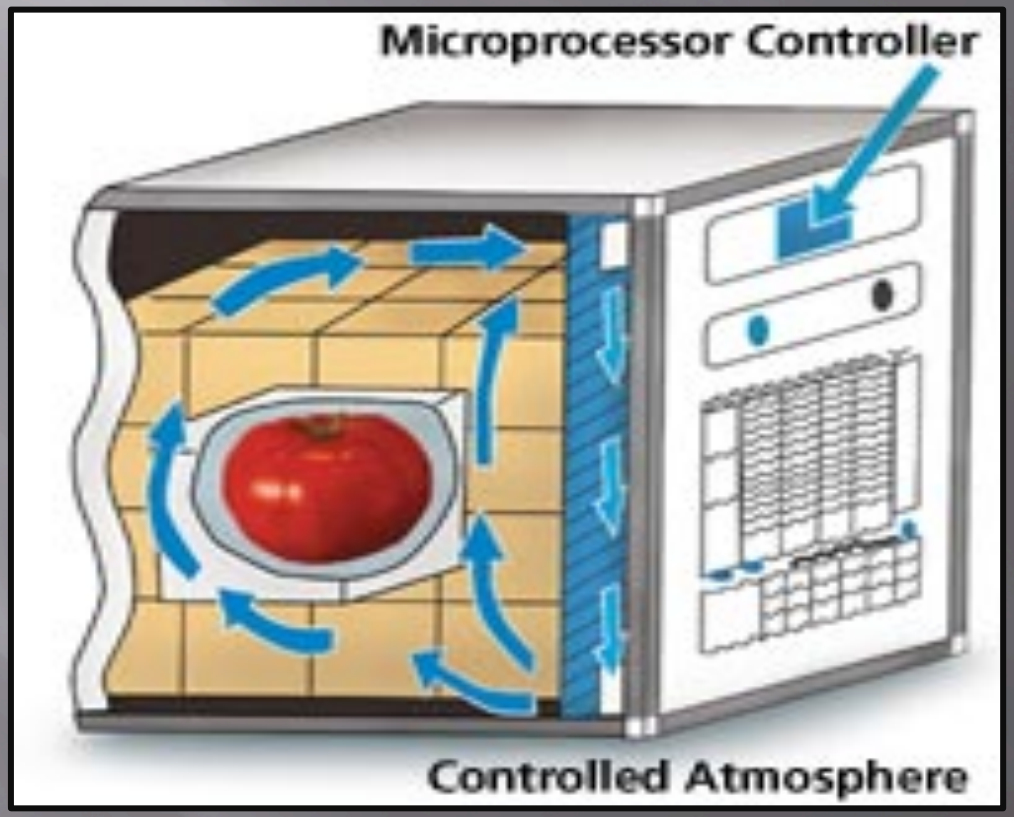
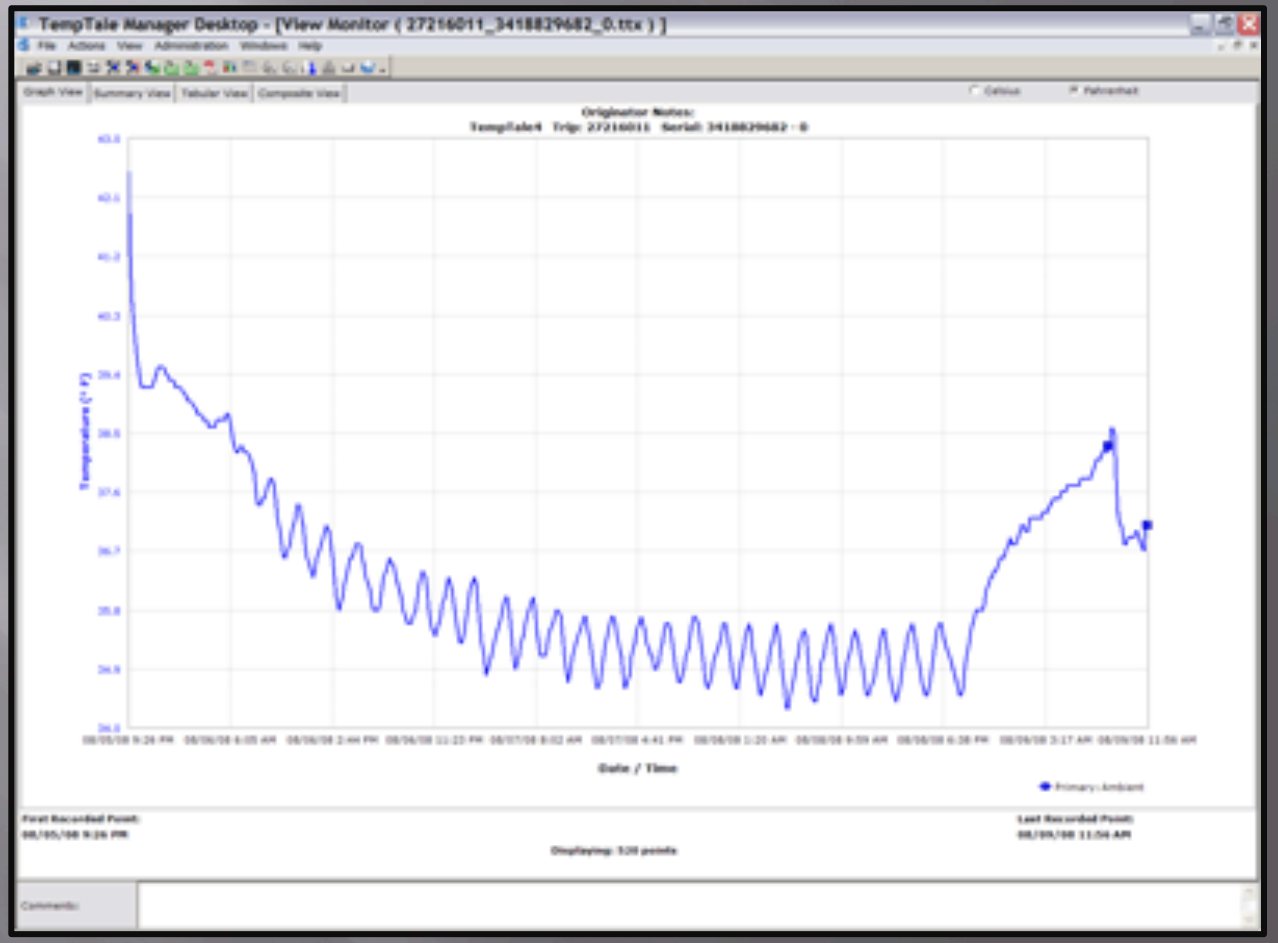
# CONTROLLED ATMOSPHERE

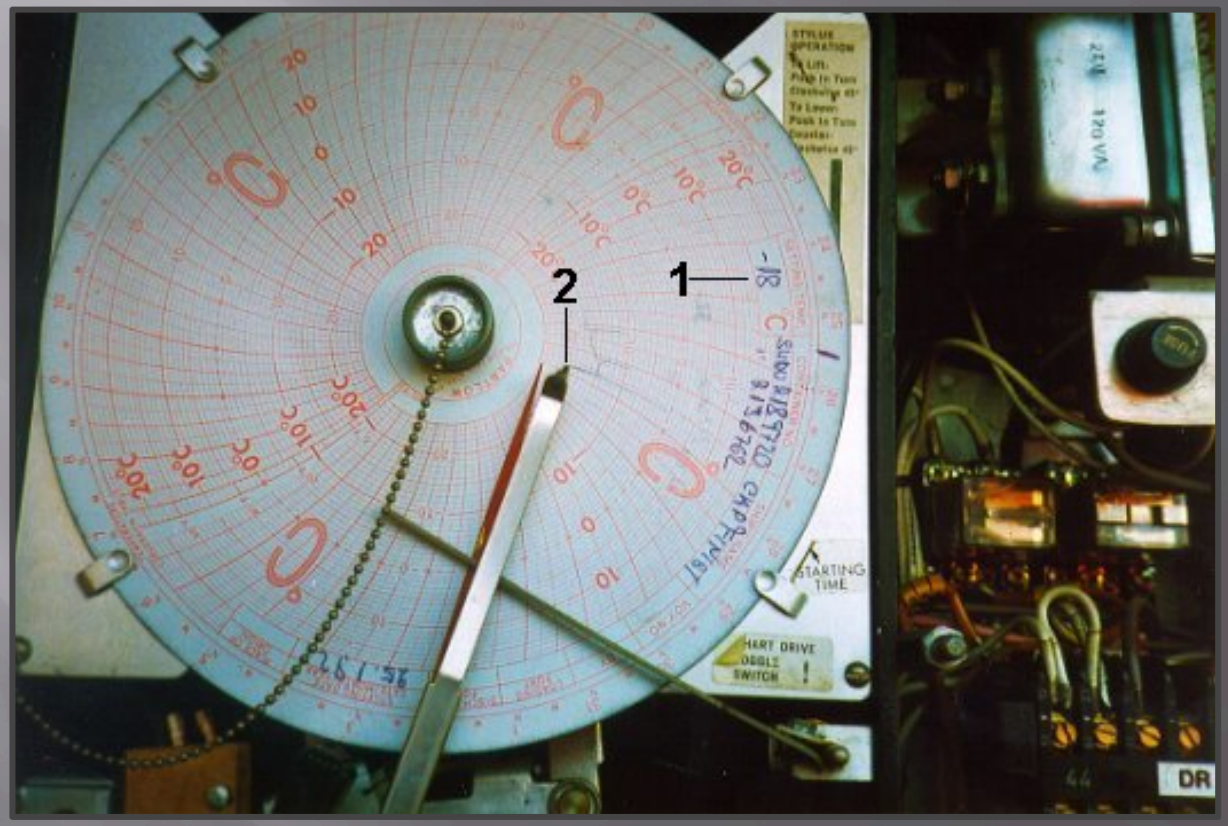


# DIGITAL READOUT



# TYPICAL THERMOGRAPH/ RYAN

# PARTLOW CHART



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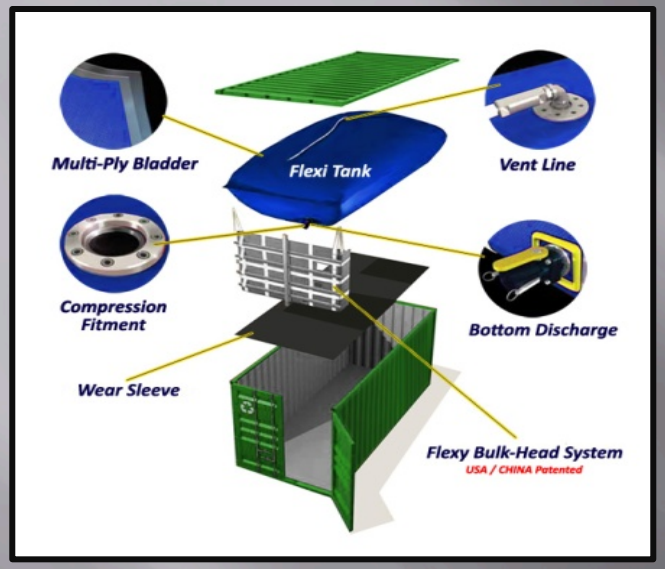
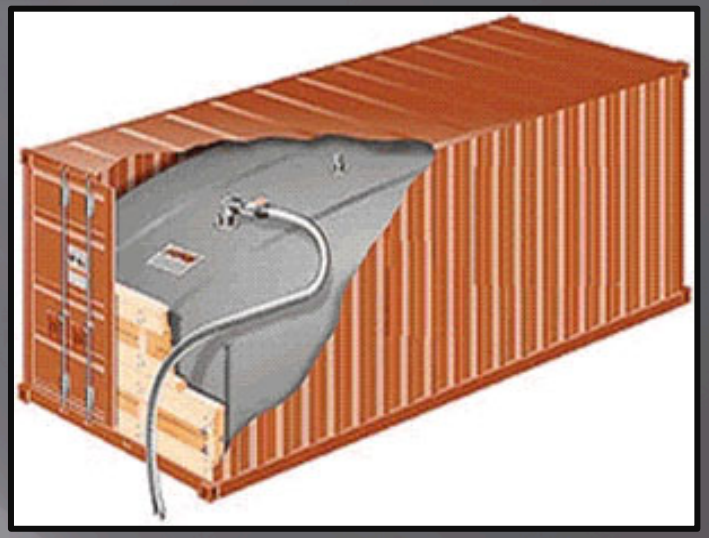
# FLEXI TANKS


Multi-Ply Bladder
Flexi Tank
Vent Line
Compression Fitment
Bottom Discharge
Wear Sleeve
Flexy Bulk-Head System
USA / CHINA Patented




"K" LINE
RelianceTank
www.reliancechina.com