

STAR COOL

CA+

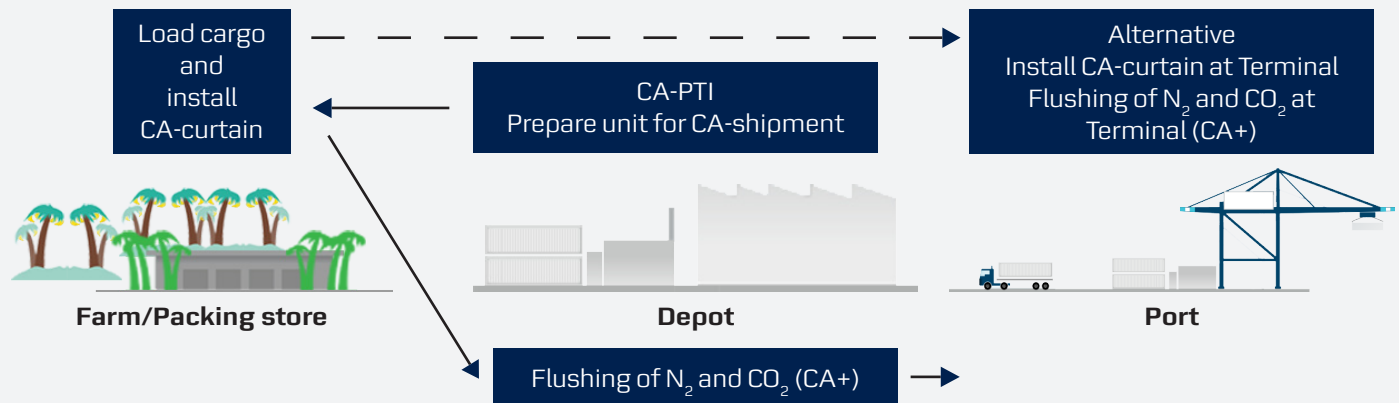
High respiring commodities are highly active in altering the atmosphere inside the container. Low respiring commodities, on the other hand, effect little influence and need some assistance to attain the desired low O₂ set points. There are also commodities that require elevated CO₂ for botrytis control, which cannot be attained by cargo respiration alone.

Star Cool CA+ has been developed to handle such variations in atmosphere control with a combination of a manual flushing process and control logic.

How Star Cool CA+ works

The Star Cool CA reefer is loaded with cargo and the door curtain is installed prior to closing the doors. The desired atmosphere and temperature settings are entered and flushing mode can be selected.

Nitrogen (and Carbon Dioxide if required) are injected using either a flushing damper or CA injection ports. The actual O₂ and CO₂ levels inside the container can be monitored on the user panel display and adjusted accordingly. Once the desired atmosphere is attained the control logic will allow a balancing phase prior to taking over full control of O₂ and CO₂.



Advantages of Star Cool CA+

- CA+ shipments are done in standard Star Cool CA containers.
- Allows a wider range of cargo types to be carried under CA conditions by establishing the initial required atmosphere through flushing.
- Both lower respiring cargo as well as high CO₂ cargo can be shipped under optimum CA conditions, which would not otherwise be possible through cargo respiration alone.
- No requirements from third party providers to install and remove "pay per trip" CA equipment as all control, monitoring (including via modem) and data recording is fully integrated into the Star Cool CA reefer.



Scan the QR code or go to vimeo.com/206231815 to watch the Star Cool CA+ animation

