

SMARTcare

Regulated Atmosphere



At APL, we know how to ensure that your perishables or atmospheresensitive goods arrive in best optimal condition. With **SMARTcare**, one of APL's atmosphere management solutions, atmosphere management is more precise compared to other commodity-generated atmosphere systems and thus can significantly extend the marketable life of many perishables far beyond their normal span.

What is SMARTcare and what are its benefits?

- **SMARTcare** technology consists of valves and controller with O₂ and CO₂ sensors with CO₂ control capability (eg: scrubbers/membranes)
- Utilizes respiration of produce to achieve oxygen set point
- Atmosphere in the container is regulated accurately in accordance to cargo respiration by using **SMARTcare** controllers
- Maintains CO₂ by using either controlled absorption rate scrubbers or membrane technology and removes ethylene
- Extends shelf life and enables ocean shipment for perishables
- **SMARTcare** is ideal for high respiration produce that consumes oxygen faster; establish the desired set point with gas flushing
- Benefits fresh produce such as mangoes, bananas, lettuce etc

Why is APL well placed to help you reap the benefits from SMARTcare?

- We have a proven track record in using **SMARTcare** to help customers develop, expand and conquer new markets by meeting the needs of any market by manipulating the ripening rate of fruits and vegetables
- The key benefit is providing an affordable, secure and reliable alternative to **SMARTcare+** thus enables for example a carriage of fresh bananas for long haul destinations with a transit time from 30 to 55 days; following are some destination that shipped **SMARTcare** bananas - Bananas from Ecuador to Turkey, Egypt and Jordan
- Our global experience in applying **SMARTcare** has benefited customers shipping produce like bananas, mangoes and lettuce across the continent of America, Europe and Asia, benefiting countries like Ecuador, Turkey, Jordan, Japan, Thailand, Singapore and Taiwan, to name a few
- We are continuously involved in R&D and are working with our customers to explore feasibility to export more high respiration cargo
- Our reefer experts leave nothing to chance – from advising you on postharvest handling and packaging, conducting trials for your shipment to monitoring its movement every step of the way
- We have one of the largest and youngest fleets of reefer containers, with the most technologically advanced capabilities for precise temperature, relative humidity and atmosphere control

To find out how APL can help you move your business forward with **SMARTcare**, please contact your local APL sales representative

