

Abstract

The gas composition control system within a storage device, as described in this invention, comprises a storage device which connected to an air control unit to adjust and maintain internal conditions within the storage device. These conditions are designed to be unsuitable for the survival or growth of insects, thereby extending the shelf life of perishable raw materials stored within the device. Additionally, the system monitors changes in air pressure or gas composition inside the storage device to provide alerts, enabling timely tracking and resolving of errors in cases where the storage device or sealed packaging is damaged or if errors occur during the packaging of any raw materials