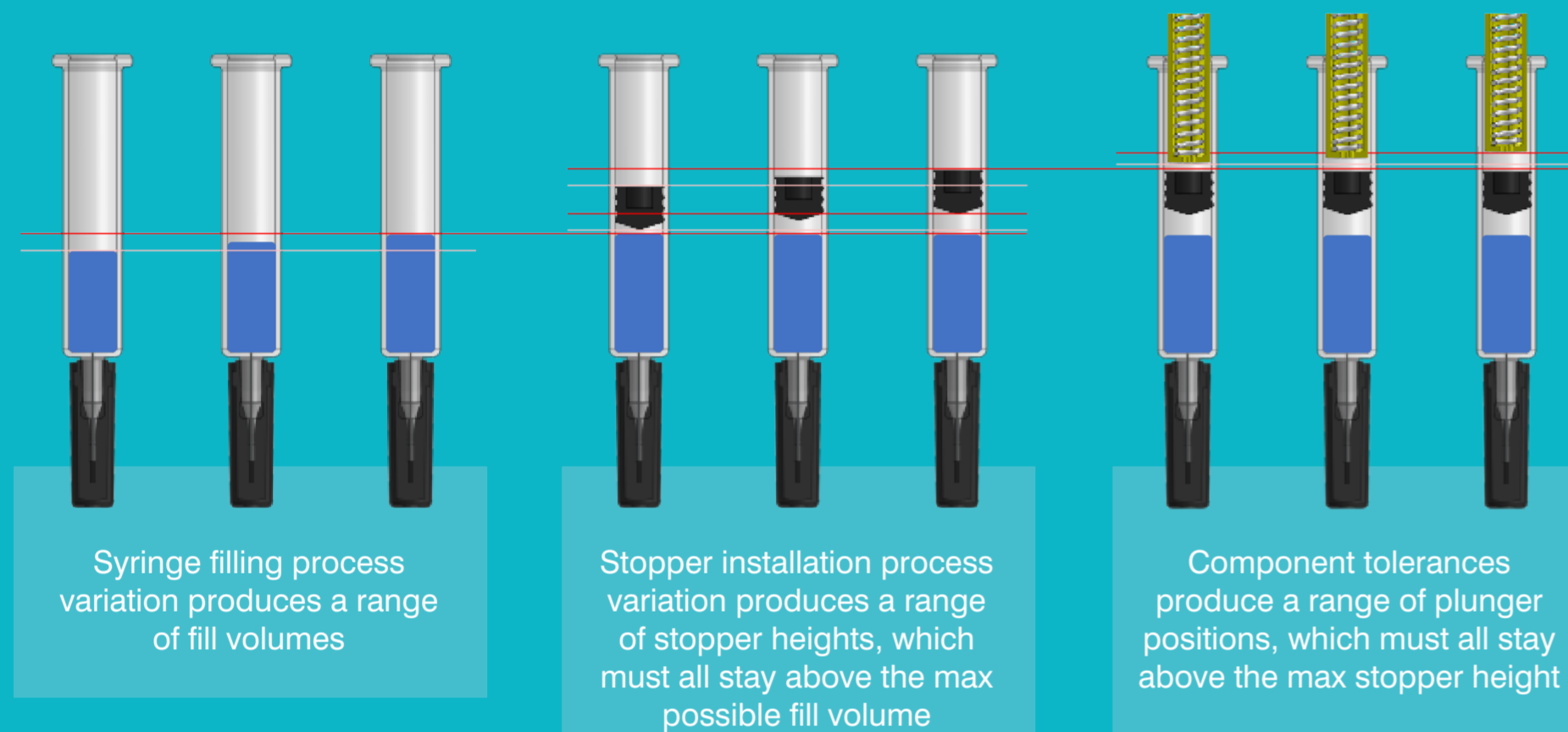


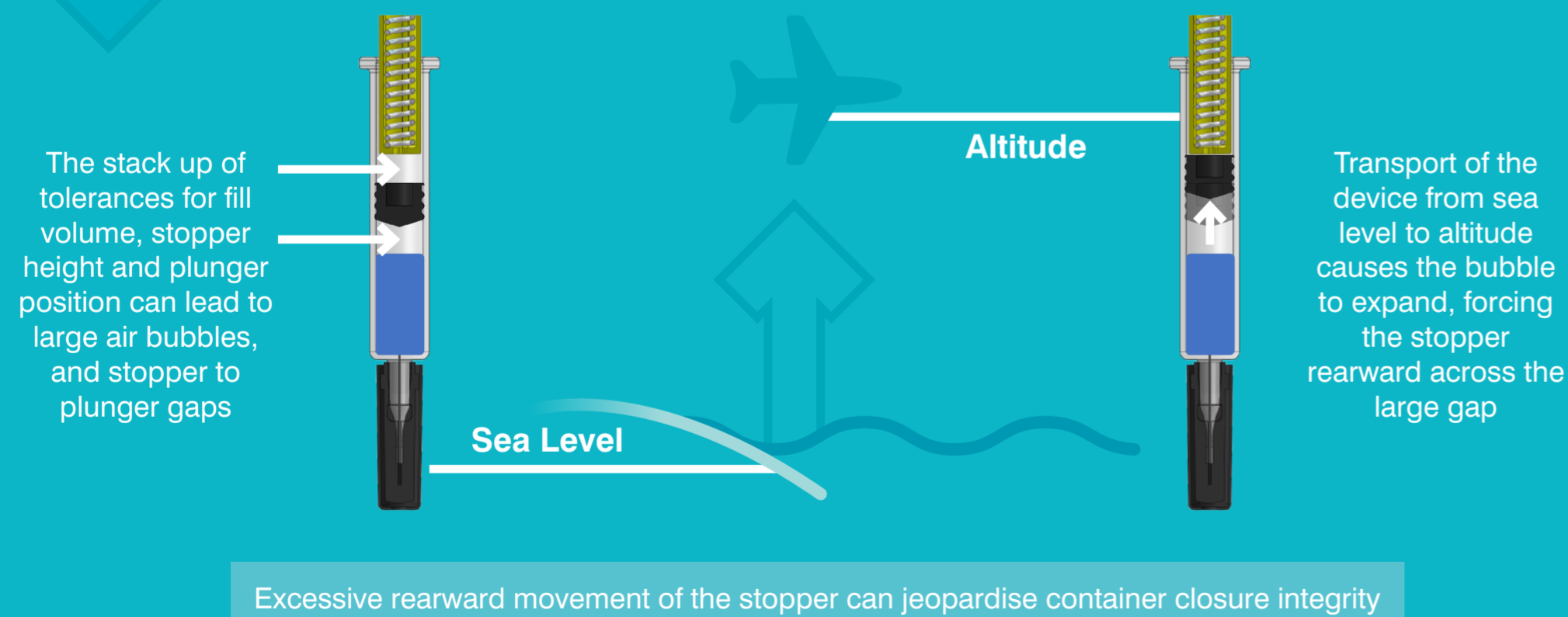
Stopper Movement During High Altitude Shipping – A Novel Solution

The Problem

The tolerance ranges associated with syringe filling, stopper installation and autoinjector manufacture can stack up to produce a scenario in which the stopper is not well constrained within the syringe



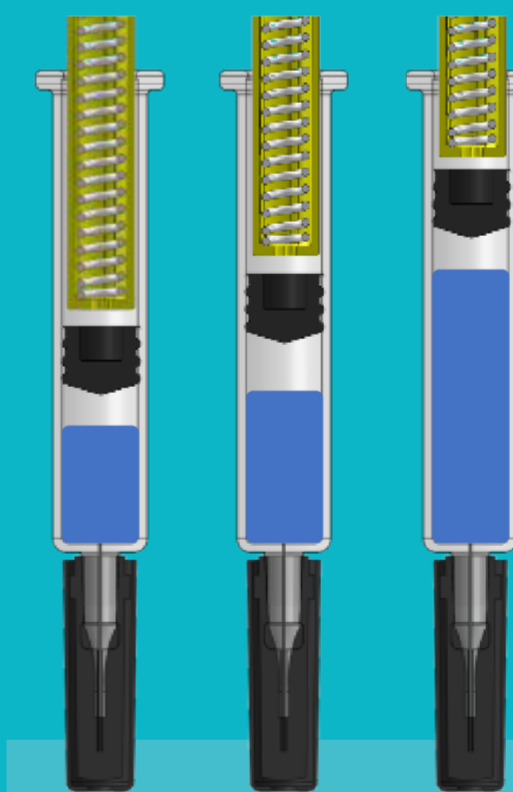
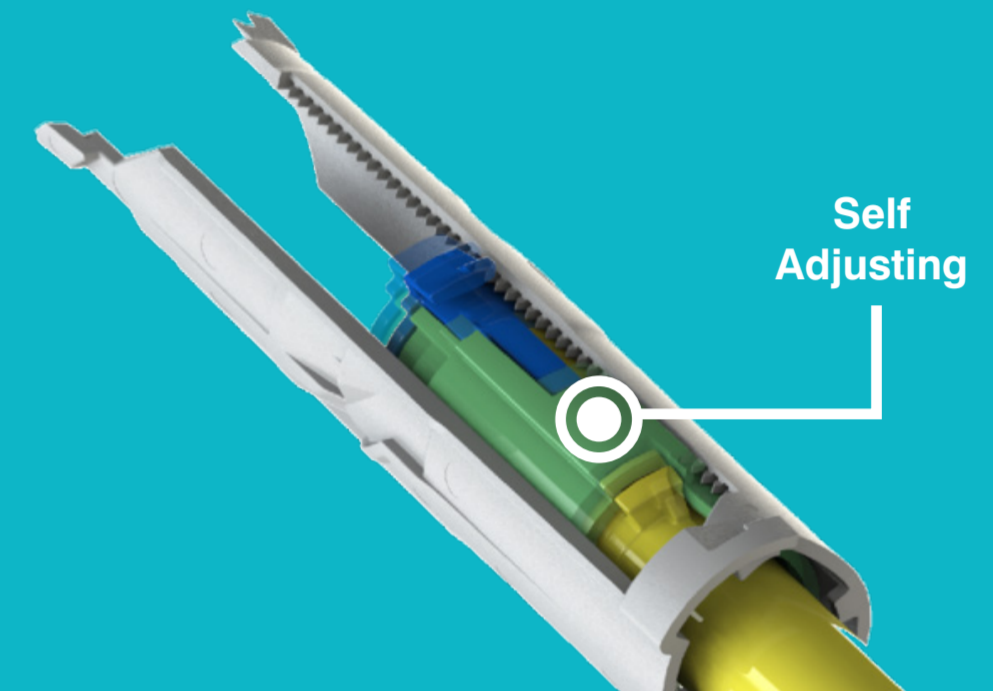
Worst Case



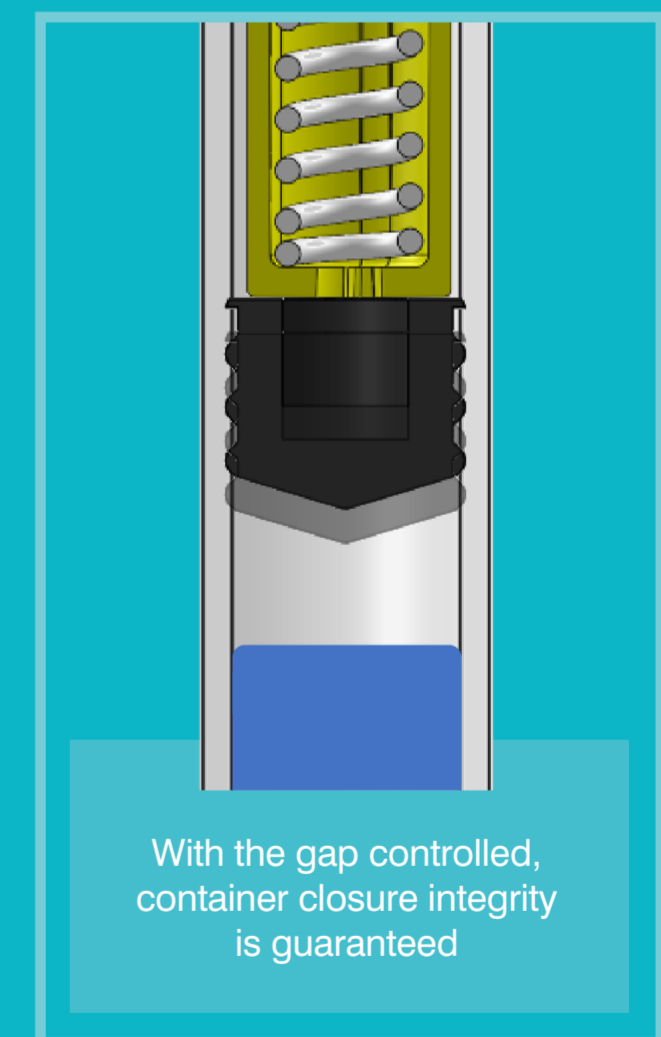
The Solution

An autoinjector that adjusts to each stopper individually to ensure its position is precisely constrained

Owen Mumford's latest autoinjector features stopper sensing technology to automatically adjust the position of the plunger within each individual syringe



The adjustment system ensures a controlled stopper to plunger gap regardless of stopper position



Stopper Movement During High Altitude Shipping – A Novel Solution

Author: Matthew Dobson, Senior Design Engineer

Parenteral Drug Association (PDA) Universe of Prefilled Syringes and Injection Devices conference, Oct. 2020



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