



MODEL
SM600-
RH1



When the Blue Angels had a need to blend Corrosion Inhibitor/Lubricity Improver into jet fuel while performing at commercial airports without access to JP-8, they came to Hammonds for a solution. Adding CI/LI to a commercial fuel truck not only requires additional time to hand mix the additive into the fuel, but requires costly cleanup of the fuel truck after the show. The solution needs to be small and compact so that it could be carried from show to show on Fat Albert, the C-130J support plane used to carry 35,000 pounds of cargo and roughly 60 Blue Angels team members to every show.

Fluidpower PROPORTION to FLOW Additive Blending

The SM600-RH1 is designed specifically to deliver CI/LI in its native injection rate, a mere 9 – 24 ppmV. Hammonds Fluid Power delivers CI/LI proportionately across a 20 – 350 gpm flow range. Simply install the injector between the fuel truck and the aircraft to allow CI/LI to be blended directly into the fuel without contamination of the fuel truck. Using a unique 32 ounce additive bottle with custom siphon tube to keep things compact, allows up to 27,777 gallon of fuel to be treated.

INNOVATION—pure and simple
www.hammondscos.com

How Well Do We BLEND?

The SM600-RH1 is a wonderful example of how accurately Hammonds Fluid Powered systems can blend additive, even at the extremely low injection rates required by CI/LI. Using a mid-range setpoint of just 16.5 ppmV, every revolution of our additive pump delivers 0.0015 fluid ounces (0.044 mL) of additive in order to maintain the desired 16.5 ppmV set point. The higher the fuel delivery rate, the faster our pump turns, proportionately delivering the proper amount of additive to the fuel load.

Fuel Flow Rate	Desired ppmV	Injections per minute	Injections per SECOND	Volume of EACH injection
20 gallons per minute	16.5 ppmV	28	1 injection every 2 seconds	0.0015 ounces per injection
75		105	1.75 injections per second	
150		210	3.5 injections per second	
250		350	5.83 injections per second	
350		490	8.17 injections per second	