Theoretical.



How to scale aerial tanker water drops to 100X A Communication of the Intractable Studies Institute

Patrick M. Rael, Director, IntractableStudiesInstitute.org



The Coulson-Martin Mars JRM-3 water tanker has these flight characteristics (no longer manufactured, but conceptually sound):

- Maximum speed: 221 mph, 356 km/h
- Cruise speed: 190 mph, 305 km/h
- Range: 5,000 mi, 8,000 km - Service ceiling: 14,600 ft (4,450 m)
- 35 second water pick-up refill skimming a lake NON-STOP!
- 7,200 US gallons of water payload (144 50-gallon drums)
- can be mixed with retardant or gel on the fly
- Continuous Non-stop refill water drop 50 planes en-route to lake --> A water drop skim in 35 sec Lake Fire String-of-pearls 100-plane formation every 15 sec. Next from lake to fire and back. water drop starts The fleet of air tankers before prior finishes <-- 50 planes en-route to fire can be based in a lake hitting ground. to avoid airport traffic. Copyright © 2013-2015 Intractable Studies Institute. All rights reserved. No. 004, 2013-01-16, Revised 2015-02-18