



## Application Solution

EFFECTIVE AIRCRAFT  
CLEANING WITH POP-UP  
SPIRAL NOZZLES



# AIRCRAFT WASHING SOLUTION

### ► PROBLEM: CUSTOM RETRACTABLE SPRAY NOZZLES REQUIRED

A BETE customer submitted a unique request for pop-up nozzle holders and spray nozzles for their aircraft washdown system. When activated, the nozzles would emerge from the ground and spray the undercarriage of a small plane or helicopter. The nozzle holders had to be cast into concrete with the ability to retract and become flush with the ground.

The customer provided original drawings, which were difficult to read and lacked the necessary details for a complete design. BETE's solution had to closely resemble the original to avoid needing new product approval.

### ► SOLUTION: POP-UP CLEANING NOZZLE

BETE Applications Engineers addressed the deficiencies in the existing design and successfully developed a product that met all requirements. The fitting, designed to accommodate nearly any 3/8" NPT nozzle, emerges from the ground, activates, and sprays, thoroughly washing the aircraft's underbody. To the right, the nozzle holder is shown with BETE's TF12FCN spiral full cone nozzle.



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**SPRAY NOZZLES & SPRAY SYSTEMS SOLUTIONS**

50 Greenfield Street,  
Greenfield, MA 01301 USA

800-235-0049  
413-772-0846

[www.BETE.com](http://www.BETE.com)  
[sales@BETE.com](mailto:sales@BETE.com)