



Fuel Dot User Guide

Overview

Apex Aerotech offers two types of dots to support your gasoline aircraft fuel system: the Speed Fueler fill dot, and the vent dot for a simple, clean vent-line overflow exit.

Speed Fueler



Fueler assembly connected



Fuel fill port

Fuel fill cap (not recommended to be installed for flight).

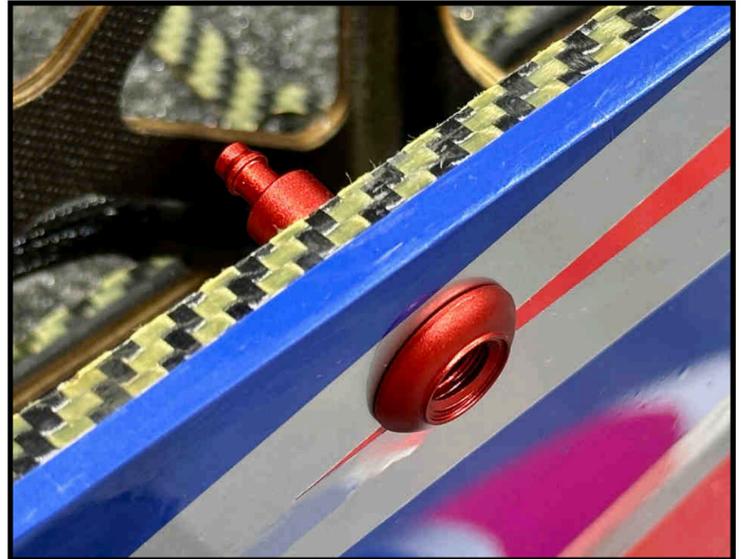
Vent Dot



Vent dot cap (remove before fueling and flight)

The vent dot is installed using three wood screws. Apex aircraft include pre-installed provisions at the bottom of the fuselage near the landing gear.

Installation



Apex aircraft feature a provision correctly sized for the Speed Fueler. Carefully cut away the covering and install the receptacle into the opening. Secure it by tightening the provided washer on the backside.



The fill receptacle cap is primarily for aesthetic purposes. We recommend removing it before flight to prevent it from coming loose in the air.



The vent dot is installed using the three provided wood screws. Route the fuel line down to the bottom of the fuselage, carefully cut away the covering at the desired provision, and pass the fuel line through the opening. Secure the fuel line to the vent dot. It is recommended to apply a small amount of thin CA to the screw holes after they are initially threaded, then reinstall the vent dot. This helps prevent potential thread stripping.

The vent cap with the attached flag is used to plug the vent dot opening during storage and transportation. Remove the cap before fueling and flight.

Usage



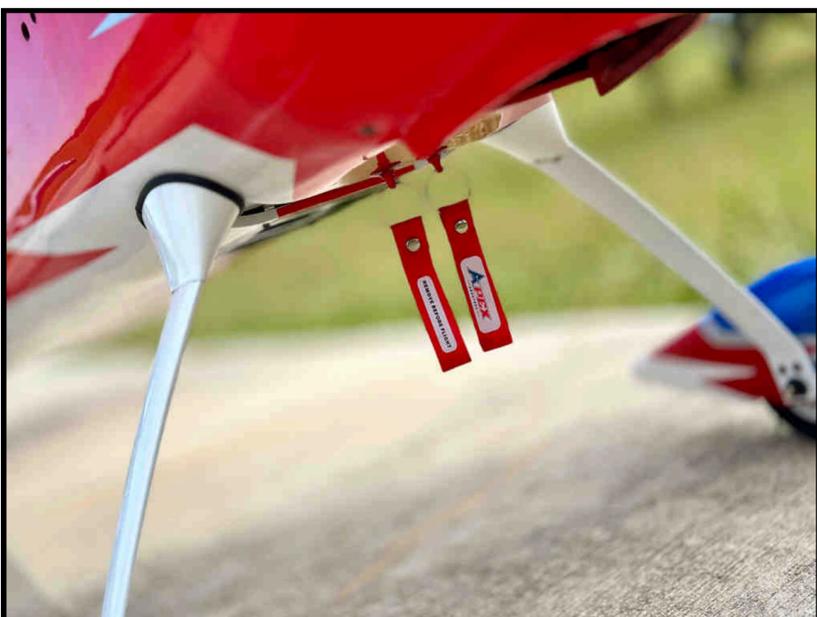
The filler portion of the Speed Fueler assembly can be connected to a piece of Tygon fuel line. In this example, the fuel line is attached to a standard RC electric fueler port.



In some applications, the fueler portion may be threaded slightly into the filler port holder on your fuel jug.



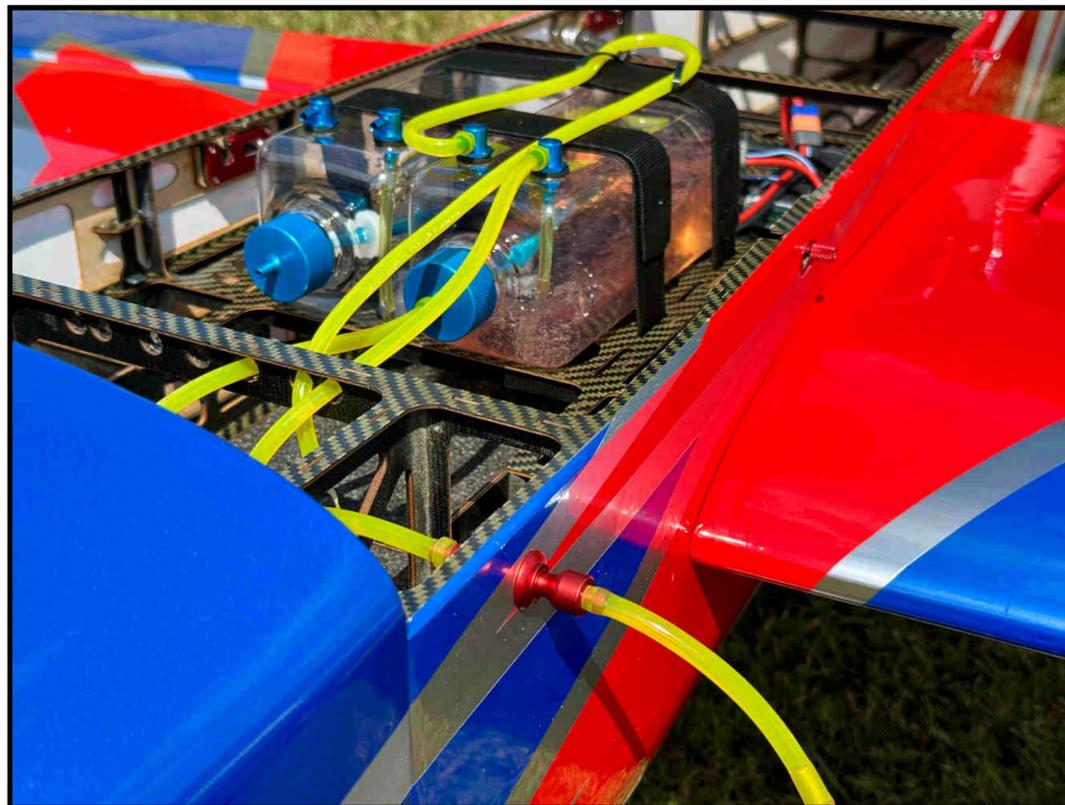
When using the Speed Fueler, fueling and defueling your aircraft can be done easily with one hand. Insert the fueler port into the receptacle and turn it to tighten until it feels secure. Once properly seated, you can begin fueling.



The vent dot directs fuel overflow safely and cleanly once the tank is full.



Both the Speed Fueler and vent dot are available in red or silver to match your aircraft livery.



Enjoy the convenience, efficiency, and reliability of Apex Speed Fueler and vent dots!