

Code of Federal Regulations

Sec. 25.951

Part 25 AIRWORTHINESS STANDARDS: TRANSPORT CATEGORY AIRPLANES	
Subpart E--Powerplant	Fuel System

Sec. 25.951

General.

- (a) Each fuel system must be constructed and arranged to ensure a flow of fuel at a rate and pressure established for proper engine and auxiliary power unit functioning under each likely operating condition, including any maneuver for which certification is requested and during which the engine or auxiliary power unit is permitted to be in operation.
- (b) Each fuel system must be arranged so that any air which is introduced into the system will not result in--
- (1) Power interruption for more than 20 seconds for reciprocating engines; or
 - (2) Flameout for turbine engines.
- (c) Each fuel system for a turbine engine must be capable of sustained operation throughout its flow and pressure range with fuel initially saturated with water at 80° F and having 0.75cc of free water per gallon added and cooled to the most critical condition for icing likely to be encountered in operation.
- [(d) Each fuel system for a turbine engine powered airplane must meet the applicable fuel venting requirements of Part 34 of this chapter.]

Amdt. 25-73, Eff. 9/10/90