

## T-Hangar Use and Ancillary Storage

The Arlington Municipal Airport provides T-hangars for lease, and also leases property for private sector development of additional T-hangar space. The International Fire Code and NFPA 409, as adopted by the City of Arlington, address aircraft hangars “where no repair work is done except exchange of parts and maintenance requiring no open flame, welding or use of Class I or II liquids.”

Leases require the tenants to abide by all federal, state and local rules and regulations. These regulations identify maintenance and repairs that are allowed by the adopted codes and detail prohibited activities. An annual inspection of all airport hangars and storage areas will be conducted using the following regulations:

1. The primary use of the T-hangar is for storage of an aircraft. A limited amount of spare parts, tools, and ancillary equipment, used for maintenance, repair and support of the aircraft, may also be stored in an approved manner.
2. No inspection, maintenance or repairs are to be done that require open flames, welding or the use of Class I or II liquids.

### Prohibited:

- The following items as listed in NFPA 409 Paragraph 8.9.1:
    - 1) Fuel Transfer
    - 2) Welding
    - 3) Torch Cutting
    - 4) Torch Soldering
    - 5) Doping
    - 6) Spray Painting
  - Any repair or maintenance that poses a fire hazard or requires the use of hazardous materials/liquids
  - Significant maintenance or repair of the fuel system
  - Interior work requiring application of flammable glues
3. There shall be no painting or doping inside the hangar. Doping refers to a type of lacquer which is applied to fabric coated aircraft. Aircraft dope is highly flammable and extremely toxic.
  4. There shall be no fuel transfer (refueling or de-fueling) conducted inside hangars.
  5. Aircraft shall not be started inside of the hangar.
  6. No more than than five (5) gallons of gasoline can be stored in the hangar; however, the gasoline must be stored in a UL-approved metal safety container.
  7. Used motor oil shall be disposed of promptly. No more than ten (10) gallons of unused motor oil shall be temporarily stored in the hangar. An oil waste disposal facility, adjacent to the T-hangar dumpster, is available. Tenants can call Airport Operations at 817-459-5571 to obtain access.

8. No storage of Class I or Class II liquids is allowed.

Prohibited:

- Class IA flammable liquids with a flash point below 73 °F and a boiling point below 100 °F
- Class IB flammable liquids with a flash point below 73 °F and a boiling point greater than or equal to 100 °F
- Class IC flammable liquids with a flash point greater than or equal to 73 °F and below 100 °F
- Class II combustible liquids with a flash point greater than or equal to 100 °F and below 140 °F

Allowed:

- Class IIIA combustible liquids with a flash point greater than or equal to 140 °F and below 200 °F
- Class IIIB combustible liquids with a flash point greater than or equal to 200 °F

Drip pans shall be placed under each engine of an aircraft.

9. Hand-held or motorized equipment, used to move aircraft to and from the hangar, may be stored in the hangar. Other devices and vehicles, not generally designed to move aircraft on the airport, may be stored only with Fire Department approval.
10. Vehicles used for towing aircraft shall be equipped with at least one listed portable fire extinguisher with a minimum rating of 20-B:C. The extinguisher shall be inspected annually by a certified fire extinguisher company.
11. Due to the fuel-rich environment, flame-producing devices and other sources of ignition shall not be permitted in a hangar. Use of charcoal burners, LP gas cooking devices, and other open flame cooking devices requires Fire Department approval. These shall not be operated within 10 feet of aircraft hangars or within 50 ft. of a fueling operation. Contact the Fire Marshal's office at 817-459-5539 and Airport Operations at 817-459-5571 at least 48 hours prior to using such devices.
12. Excess storage of appliances, furniture, tools and equipment is not permitted. Non-aviation storage in a hangar may not displace the aeronautical contents of a hangar, interfere with movement of aircraft in or out of the hangar, or impede access to other aeronautical contents of the hangar.
13. Combustible materials stored in aircraft hangars shall be orderly, in approved containers and in approved locations.
14. One (1) 20-B:C portable fire extinguisher shall be present in each hangar. The extinguisher shall be inspected annually by a certified fire extinguisher company.
15. Drip pans shall be placed under each engine of the aircraft.
16. Smoking is not permitted inside a hangar. One (1) "No Smoking" sign shall be posted at the rear of the hangar and be visible from the hangar entrance.