

## Purge-Air Flow Process

The Didsbury Purge-Air System offers a complete resource to allow personnel to drain, ventilate, enter and safely work in aircraft fuel tanks.

### 1. Static Discharge

Using the retractable static discharge reels, the aircraft and all auxiliary components can be safely earthed through the Purge-air System.



### 2. Fuel Draining

Fuel is pumped from the fuel tanks through the water drain valves. This is done at a rate of up to 110 ltr/min using the pneumatic pump through the reel mounted fuel hose and an aircraft specific tool.

### 3. Fuel Tank Venting

Purging and ventilation is carried out using venturi air movers. Anti-static ducting allows the system to be set up quickly for any tank configuration. Large wing tanks can be purged in approximately 45 minutes and continuous ventilation applied during tank operations.



### 4. Breathing Apparatus

Breathing apparatus for 4 people (2 operatives, 2 back up safety personnel) with filtration and air quality testing allow safe access into the tank.

### 5. De-puddle

Jet-Vac system allows rapid de-puddling of residual fuel from the tank.



### 6. Key Operations

Auxiliary equipment such as Lighting kit, communications kit, safety mats and gas detectors allow the tank entrant to work safely and efficiently within the confined space environment and a tank rescue to be mounted should the need arise.