

The diagram illustrates the fuel system architecture for a three-engine aircraft. At the top, a **FUEL FILLER PORT** is shown on the left. Fuel is distributed to three **FUEL CELLS**: **R WING FUEL CELL**, **CENTER FUEL CELL**, and **L WING FUEL CELL**. These cells are interconnected by **CELL INTERCONNECT TUBES**. A **FUEL VENT LINE** runs along the top of the fuel cells. The **CENTER FUEL CELL** is connected to a **SUMP WITH SUBMERGED BOOST PUMPS**. A **FUEL BOOST PUMP SWITCH** is located on the left side of the sump. A **FUEL SHUTOFF VALVE** is positioned on the line leading from the sump to the **TO L ENGINE BOOST PUMP DRAIN**. A **SUMP DRAIN VALVE** is located on the right side of the sump. The **FUEL QUANTITY TRANSMITTER UNIT** is connected to the **FUEL QUANTITY INDICATOR IN INSTRUMENT PANEL**. A **VAPOR SEPARATOR FILTER** is located on the left side of the system, with a **DRAIN VALVE** at its base. The **FROM L ENGINE** connection is shown on the right side of the system.