1. Heater
2. Jet nozzle
3. Thermocouples
4. Data acquisition
5. Computer
6. Variac
7. Power meter
8. Collecting tank
9. Heat exchanger
10. Pump
11. Control valve
12. Flow meter
13. Flow meter indicator

a. Schematic of test rig

1. Heating plate
2. Heating element
3. Bakalite insulation
4. Thermocouples
5. Thermocouple locations

b. Schematic of the heating plate

c. Thermocouple locations