



University of Bristol Boundary Layer Wind Tunnel

Location: Hele-Shaw lab, Queen's building, University of Bristol	Designation: Boundary Layer Wind Tunnel
Owner(s): University of Bristol United Kingdom	Performance: Maximum Flow Speed: 32m/s Reynolds No: 3.6×10^7 Total Pressure: 1atm Dynamic Pressure: NA Total Temperature: room temperature Turbulence intensity: 0.1-0.2% Run Time: - Typical Recharge Time: -
Test Section Size: 2m x 1m x 20m	
Operational Status: Operational	
Number and Type of Staff: Scientific: 7 Technical Support: 4	Testing Capabilities: Acoustic: beamforming, kulites, free-field microphones, wavenumber-frequency plate Flow visualisation: Time-resolved PIV, hotwire, FID Aerodynamic loads: load cells, drag plate Urban airflow: Tracer gas system, FID
Test support:	
Equipment: Drag plate, force plate, load cell, Beamforming, High-speed PIV, hotwire, Tracer gas injection system, gas mixing system, FID. Specialist Rigs:	