

NBS Smoke Density Chamber



TECHNICAL SPECIFICATIONS:

- The user can choose the configuration required such that the equipment complies with the mandatory requirements of BS 6401/ASTM E662 or ISO5659-2, or hot swappable between both apparatus specifications
- Standard stainless steel chamber with additional corrosion resistant finish Heated chamber walls
- Full size chamber door, including an observation window and covering door
- Instrument panel to left of chamber for ease of operation
- Fixed irradiance vertical oriented heater ($25\text{kW}/\text{m}^2$)
- Vertical photometric optical system using state of the art PMT module (mandatory)
- Push button/software controlled pneumatic lower vent assembly with high capacity extraction fan to efficiently extract smoke following a test
- Push button/software controlled pneumatic upper vent
- Multi-tip, multi-angle stainless steel pilot burner
- Precise furnace control allowing software controlled furnace calibration
- Bespoke radiometer for furnace calibration as per BS6401 and ASTM E662
- Built in ports to take gas sampling tubes



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