

## FB-08 and FB-08C Upgrade to fit Dust Suppression System and Probe Holder.

The market leading FB-08 and FB-08C fluidised baths are widely used as precision stable and uniform high temperature heat sources in many Calibration labs worldwide. These fluidised baths are supplied with a probe plate which allows customers to add probe holes and insert them directly into the bath medium. Alternatively custom probe holders can be supplied to optimise the homogeneity between the bath and probes under test. The FB-08 models include as standard a dust collection system which utilises a jet-venturi to collect Alumina particles into a collection jar which can then be reused but is not a hermetically sealed system.

Techne are pleased to introduce the new FFB08DS1 Probe Holder and Dust Sealing system which allows probe holders to be used and have a completely sealed system for use in Temperature Calibration Laboratories.

Where an ultra-stable temperature condition is required a dead bed state can be programmed into the FB-08C control system. During this condition the air and electrical supply to the fluidised bed are switched off automatically. For a period of up to 6 minutes the fluidised bed becomes an isothermal mass without heat input and very low heat loss. Under these conditions the stability at the centre of the aluminium oxide is  $\pm 0.01^\circ\text{C}$  across the full temperature range of the unit from 50 to 700  $^\circ\text{C}$ .

The custom Probe holder accessory for comparison calibrations of temperature sensors gives stabilities and uniformities of better than 0.01  $^\circ\text{C}$  when in the dead bed mode. Our Probe holders will allow up to 8 probes with sizes to suit any customer requirements to be calibrated simultaneously at immersion depths of up to 280mm.

This new accessory can be easily fitted onto the FB-08 baths completely sealing all alumina inside the bath. It also allows the jet venturi system to be turned off so the bath will run silently.

The system bolts onto the top of the bath and has an exhaust tube connecting to a ceramic filter system.

The exhaust tube is designed to allow dust particles to flow back into the bath. The ceramic filter element within the housing can easily be cleaned or replaced if required.

The system is also supplied with a connection to allow the hot exhaust air to be ducted out of the Laboratory.

This accessory can easily be removed to allow the unit to be used for the calibration of larger or irregularly shaped probes commonly used in the aerospace industries.

This accessory can be supplied with an upgrade kit to suit any FB-08 or FB-08C unit.

Part Number	Description
FFB08DS1	FB-08 and FB-08C Dust Suppression System
FFB08PR1	FB-08 Probe Holder



FFB08DS1



FFB08PR1