

A device designed to quickly measure the bulk and resilience of staple fibres. Bulk is a good predictor of cover in carpets, loftiness in hand-knitting yarns, filling capacity in quilts etc.

**Test Method**

Samples are washed in solvent to remove any residual grease, conditioned for 4-5 hours, and then hand carded. A 10g sample is selected and placed in the cylinder. A weighted piston compresses the sample in a cycling procedure until a reading can be taken which indicates the fibre bulk. The recovery of the fibres from compression, or their 'resilience', is related to their bulk under different loads.



**Low Pressure (20Pa) Bulkometer**

**Order Code LFB:LOW**

The Low Pressure Bulkometer is intended to measure, under low pressure, the bulk of loose wool and feather fills for over-body bedding and pillows in their new, as manufactured, state.

two graduated metric scales on the outer circumference. The mass of the piston is designed to produce a load of 20 Pa over the area of the cylinder, and a further mass is used to add a further load to give 60 Pa.

The apparatus consists of a transparent cylinder and has