INSPEC International Limited
56 Leslie Hough Way
Salford, Greater Manchester
M6 6AJ, United Kingdom

Tel: +44 (0) 16 1737 0699
Email: equipment@inspec-international.com

Torso with Sheffield head

Description



The Sheffield Torso is used with all European standards for respiratory protective devices that require a hood or helmet type facepiece to be supported during testing and provide for simulated breathing. It is fitted with the concentric breathing tube assembly, and is supplied as fully described in the standards.

The torso and head assembly is moulded in cast epoxy resin and mounted on a wooden base. The breathing tubes in the head are connected to PVC tubes, which exit the torso at its lower extremity.

The head of the torso can be fitted with either a button probe or an elbow probe (both of which are supplied with the torso).

A split, rotating collar (as described in the standards) is available for use for testing hoods designed to seal around the neck. This is machined from solid plastic and can be easily fitted to the neck of the torso assembly.

Technical specification



The torso is intended to be floor standing and is 600mm x 600mm x 1570mm; it weighs approximately 22kg.

The tubing inside the torso has a volume of 800cm^3.

The torso is designed to operate in the conditions specified by the relevant standards listed below. Storage conditions should be restricted to 5 to 35°C and <85%RH.

The torso is not suitable for coupling strength tests.

Relevant standards

The rig is called up in the following standards, or the standards called up by them:
AS/NZS 1716:2012, BS 8468-2:2020, EN 269:1994, EN 12941:1998, prEN 12941:2021, EN 13274-3:2001, EN 13274-6:2002, EN 14593-2:2005, EN 14594:2018

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