

Filter shaker (Mechanical strength test equipment)

Description:

The filter shaker comprises essentially two main parts:

A geared motor drive, which rotates the lifting cam arrangement, both mounted on a substantial base plate;

A filter tray, which is lifted by the cam and then dropped on to the stop plate.

The filter tray includes a set of fully adjustable nylon "combs", which serve to separate the specimens.

A pre-determining counter switches off the rig after the required number of cycles.

The base plate is drilled at the four corners, to facilitate bolting to the floor.



Services required:

Floor mounted – needs to be bolted down
110/230 volts AC, 50/60Hz, mains electricity

Approximate packed size & weight:

70 x 60 x 50 cm : 40 kg

Relevant standards:

EN 143:2006, clause 8.3 and figure 1
EN 149:2009, clause 8.3.3
EN 403:2004, clause 7.4.2
EN 404:2005, clause 7.4.2
EN 405:2009, clause 8.3.4 and figure 1
EN 1061:1996, clause 7.6 and figure 3
EN 1146:2005, clause 7.4.1 and figure 1
EN 1827:2009, clause 8.2.3 and figure 1

EN 12083:1998, clause 7.3
EN 12941:2008, clause 7.11.1 and figure 9
EN 12942:2008, clause 7.13.1 and figure 7
EN 13794:2002, clause 7.6.2 and figure 2
EN 14387:2006, clause 7.4.1 and figure 1
EN 14529:2005, clause 7.5
AS/NZS 1716:2012, appendix H4
ANSI 110:2009, clause 8.2