



Product datasheet

Essa® SST450 Suspended Sieve Shaker

Sturdy, uncomplicated design for efficient performance under heavy sizing conditions. Ideally suited to range of mobile field uses – from hanging next to an RC drill rig to operating at an archaeological dig.

Benefits

- **Easy to install**
Simply hang the shaker from an overhead hook, connect to a three phase power supply and turn on the power.
- **Ready to go**
The unit is simple to operate, and requires no controls for most sieving situations.
- **Heavy duty capacity**
Handles larger samples with a 2 x 450 mm diameter sieve capacity.
- **Reduced outlay**
Does not require additional purchase of tailor-made sieves as it is compatible with most high quality certified sieve brands.
- **Designed for productivity**
Simple but effective clamping arrangement allows for quick changeover.
- **Ergonomic space-saver**
Suspended mounting of the unit frees up floor and bench space in the laboratory.

A powerful, no-fuss machine



Specifications

Motor power	7.5 kW
Electrical requirements	380-415 V 50 Hz three phase AC or other power configurations as required
Dimensions - unit (W x D x H)	700 mm x 496 mm x 1536 mm
Mounting requirements	A safe working load (SWL) of 230 kg is required.
Mass	117 kg
Dimensions (crated) (W x D x H)	900 mm x 696 mm x 1636 mm
Mass (crated)	160 kg approximate

Strong and dependable

The Essa® Suspended Sieve Shaker is a unique, hardy 450 mm electro-mechanical sieve shaker for a range of laboratory, plant and field applications. It is constructed with a suspended mounting system. It is strong enough to handle two standard 450 mm test sieves and is specifically engineered for heavy duty sieving applications, including wet sieving. The unit is driven by an electric motor connected to a rotating eccentric mass. This causes the sieves to oscillate primarily in a horizontal plane. The motion is designed to continually clear the sieve apertures preventing blinding.

Easy installation and operation

Basic to set up, the shaker is hung from any sturdy overhead hook, and simply connected to a power supply. This means it is also easy to move, and doesn't take up floor or bench space in the laboratory. The Suspended Sieve Shaker is also easy to operate and doesn't need a control box or require skilled training prior to use. Its simple and robust design assures virtually maintenance-free operation. An optional mobile suspension stand with manual winch can allow the unit to be moved, stored away, hoisted up to be used over a standard 200 L drum, or lowered to floor level.

Greater productivity and quality

The Suspended Sieve Shaker is constructed to perform efficiently and can be relied upon to handle large sample sizes because it's engineered specifically for heavy duty requirements. Its strength and versatility means it can also be supplied with an optional wet sieving attachment to remove fines for precise sizing needs. Test sieves are stacked in position with a simple heavy-duty clamp for ease of use and fast loading and unloading of sieves. If accuracy and repeatability are important to sample analysis, a control box with a timer can be supplied as an optional extra.

Lower costs

The Essa® Suspended Sieve Shaker is accessible for a wide range of applications. The shaker is compatible with most makes of standard high quality 450 mm diameter test sieves, pans and lids. There is also an optional adaptor to suit 300 mm diameter sieves. This negates the need to purchase special sieves to suit which keeps costs down. Combined with its potential for high output, this machine demonstrates good value for spend.

FLSmidth A/S
2500 Valby
Denmark
Tel. +45 3618 1000
info@flsmidth.com

www.flsmidth.com

FLSmidth Inc.
Salt Lake City Operations
Midvale, UT 84047
USA
Tel. +1 801 871 7000
info.sl@flsmidth.com

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