



Sample divider, rotary cone, Laborette 27

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2^{yr}

Typical fields of application

Rotary cone sample dividers are ideal sample preparation tools for use with extremely accurate analytical instrumentation. They are used in research, development and quality control laboratories to provide small but representative sample quantities for true analysis. The Laborette 27 can also be used for the division of liquid media or suspensions without conversion.

- A basic machine that can be used with a choice of dividing heads
- Quick-fit clamping device for sample bottles 250mL and 500mL as standard feature
- Up to 3,000 divisions per minute
- Representative sample division of solids and suspensions guaranteed with a division accuracy of 99.9%
- Processes dry free flowing samples or suspensions without additional modification
- Choice of division ratios
- Controlled sample feeding using the vibratory feeder Laborette 24
- Safety tested in accordance with TÜV, CE mark
- Two year guarantee

Method of operation

The rotary cone sample divider Laborette 27 enables an accurate sample division by a combination of three principles of division within a single unit. The sample is passed via a hopper onto a rotating dividing cone. It passes over the surface of the rotating cone and is accelerated outwards into the separate channels by the centrifugal force of the entire system. Due to the speed of rotation and the number of channels present on the dividing head, the number of divisions reaches up to 3,000 per minute. The feed to each channel thus comprises a very large number of separate samples, which is a pre-requisite for good sample division.

Catalogue No	Alt. No	Description
SBX-650-010V	27.1420.00	Rotary cone sample divider, Laborette 27, without dividing head

Accessories

Catalogue No	Alt. No	Description
SBX-651-510S	27.115.00	Dividing head, division ratio 1:8, made of aluminium, includes 8 sample bottles with screw lid 500mL and funnel 10mm dia.
SBX-651-520P	27.515.00	Dividing head, division ratio 1:10, made of POM plastic, includes 10 sample bottles with screw lid 250mL and funnel 10mm dia.
SBX-651-530M	27.415.00	Dividing head, division ratio 1:10, made of aluminium, includes 10 sample bottles with screw lid 250mL and funnel 10mm dia.
SBX-651-540J	27.615.00	Dividing head, division ratio 1:30, made of POM plastic, includes 3 sample bottles with screw lid 15mL and 1 funnel each of 5mm dia. for dry or wet division
SBX-651-550G	27.215.00	Dividing head, division ratio 1:30, made of PTFE coated aluminium, includes 3 sample bottles with screw lid 15mL and 1 x funnel each of 5mm dia. for dry or wet division
SBX-650-530S	24.9100.00	Stand for feeder

Sample dividers

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Use to sample or test solids

Stainless steel, based on the design recommendations of BS 812 'Methods for sampling and testing of mineral aggregates, sands and fillers'; BS 1377 'Methods of testing soils for civil engineering purposes', each with 12 apertures.

Catalogue No	Aperture size, mm	Capacity, mL
SBX-450-R	6.35	Approx. 300 (sample bottles or containers)
SBX-480-T	12.7	Approx. 1,500 (sample bottles or containers)

Containers, polystyrene, sample dipper, Dippa

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Catalogue No	Alt. No	Colour	Handle length, mm	Capacity, mL	Pack qty
DIS-450-010G	191	Clear	200	30	50
DIS-450-020D	194IW	Clear	385	100	100
DIS-450-030A	192	Clear	330	250	50
DIS-450-050R	191BLUE	Blue	200	30	50
DIS-450-060X	194I	Blue	385	100	100
DIS-450-070L	192BLUE	Blue	330	250	50