

Rotary Cone Sample Dividers „laborette 27“, FRITSCH

For representative sample dividing of solids and suspensions with a dividing accuracy of 99.9%.

Typical fields of application:

Rotary cone sample dividers form a symbiosis with extremely accurate analytical instrumentation. They are used in research, development and quality control laboratories to provide small but representative sample quantities for true analyses.

The „laborette 27“ can also be used for the division of liquid media or suspensions - without conversion.

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. Because of the rotation and the number of channels of the dividing head, the number of divisions reaches up to 3,000 per minute, so the feed to each channel is made up of a very large number of separate sample - a distinguishing mark for good sample division.

Features at a glance:

- a basic machine can be used with a choice of 6 different dividing heads
- up to 3,000 divisions per minute possible
- representative sample division guarantees an accuracy of 99.9%
- processes dry free flowing samples or fine slurries without additional modification
- variable division ratios
- controlled sample feeding using the vibratory feeder „laborette 24“
- quick fit clamping device for sample bottles 250 ml and 500 ml
- tested safety (CE mark)
- 2-year guarantee

Technical data:

Division ratio:	1:8	1:10	1:30
Number of fractions:	8	10	3
Max. particle size:	10 mm	10 mm	2,5 mm
Max. filling volume:	4.000 ml	2.500 ml	300 ml
Capacity of sample-			
Glass bottle:	250, 500 ml	250 ml	15, 20, 30 ml
Dimensions (L x D x H):	27 x 45 x 46 cm		
Weight net:	8 kg		

Article	Order No.
Rotary sample divider „laborette 27“	54 98 27142
Without dividing head for 230 V/1~, 50 – 60 Hz	

Article	Order No.
Rotary sample divider „laborette 27“	54 98 27141
Without dividing head for 115 V/1~, 50 – 60 Hz	

Accessories/Dividing heads

Division ratio 1:8

Article	Order No.
Dividing head made of plastic POM	54 98 27130
Incl. 3 sample bottles 500 ml and funnel of 10 mm Ø	
Dividing head made of aluminium	54 98 27115
Incl. 8 sample bottles 500 ml and funnel of 10 mm Ø	

Division ratio 1:10

Article	Order No.
Dividing head made of plastic POM	54 98 27515
Incl. 10 sample bottles 250 ml and funnel of 10 mm Ø	
Dividing head made of aluminium	54 98 27415
Incl. 10 sample bottles 250 ml and funnel of 10 mm Ø	

Division ratio 1:30

Article	Order No.
Dividing head made of plastic POM	54 98 27615
Incl. 3 sample bottles 15 ml, funnel of 10 mm Ø and one funnel each of 5 mm Ø for dry and wet division	
Dividing head made of PTF-coated aluminium	54 98 27215
Incl. 3 sample bottles 15 ml, funnel of 10 mm Ø and one funnel each of 5 mm Ø for dry and wet division.	

Accessories for automatic feeding

Article	Order No.
Vibratory feed chute „laborette 24“	54 98 24003
With v-shaped channel for 200 – 240 V/1~, 50 – 60 Hz	
Vibratory feed chute „laborette 24“	54 98 24004
With v-shaped channel for 100 – 120 V/1~, 50 – 60 Hz	
Stand for feed chute „laborette 24“	54 98 24910

