

HAYER & BOECKER



DIE DRAHTWEBER

HAYER RPT. **ROTATING SAMPLE REDUCER.**



HAYER RPT - ROTATING SAMPLE REDUCER.

The sample reducer produces small but representative sample quantities of solids and suspensions and is combined with high-accuracy analytical measuring instruments. It is used in research, development and process monitoring laboratories.

Rotating sample reducers combine three dividing methods in one unit and provide the best possible sample reducing available today. The sample is fed to a dividing cone that emulates the process of quartering and coning. The sample material on its surface is accelerated outwards by rotation and is divided through guide channels into up to 30 individual samples. The individual samples are collected in 250 ml and 500 ml glass screw-top bottles which can be easily and reliably secured by means of a quick-release clamp. The rotation and number of dividing channels enable variable dividing conditions to be achieved up to 3,000 dividing steps per minute.

This means that each sample consists of a very large number of individual samples - a mark of accurate sample division.

The HAYER RPT rotating cone sample reducer thus achieves an accuracy of 99.9 %. Even heavy flowing materials such as cement or limestone can be divided with high accuracy in this way.

The HAYER RPT is made from food-grade materials, is easy to clean

and is fitted with a low-maintenance drive motor with safety clutch.

Advantages HAYER RPT

- Representative sample division at the rate of 1:8, 1:10 or 1:30
- Suitable for dry- and wet-division
- Easy handling
- Integrated adjustable feeder with continuous regulated vibration intensity
- Prevention of inhomogenities and segregations
- Easier material flow caused by high rotating speed of the cone (approx. 100 U/min.)



HAYER RPT - Rotating Sample Reducer

Technical Data:

Input quantity and particle sizes:

For divider with 8 funnels (1:8 dividing)	
- max. input quantity per pass	4000 ml
- max. acceptable particles	10 mm
For divider with 10 funnels (1:10 dividing)	
- max. input quantity per pass	2500 ml
- max. acceptable particles	10 mm
For divider with 30 funnels (1:30 dividing)	
- max. input quantity per pass	300 ml
- max. acceptable particles	2.5 mm

Dimensions:	approx. 609 x 383 x 660 mm (LxWxH)
Operating voltage:	230 Volt, 50-60 Hertz, 90 Watt 115 Volt, 50-60 Hertz, 90 Watt
Weight:	approx. 25 kg
Colour:	signal white, RAL 9003

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