

OPERATING MANUAL – SAMPLE SPLITTERS TYPE RT

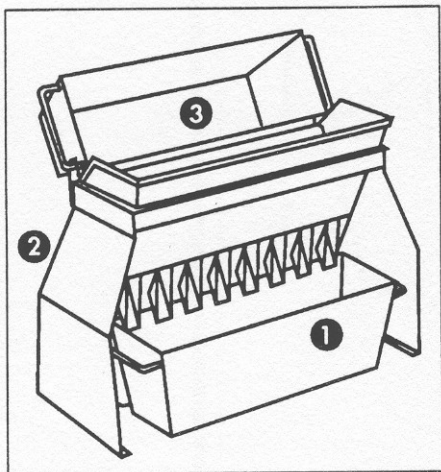
Retsch[®]

SAMPLE SPLITTERS TYPE RT 6.6 - RT 75

Sample Splitters are used to halve bulk materials in the field or in the laboratory.

Application / Feed Size

Depending on the mass percentage of the largest particle diameter, the maximum feed size should be between 1/3 to 2/3 of the slot width of the dividing head.



Example: RT 75, Slot width: 75 mm
max. feed particle size: 25 mm – 50 mm

Scope of Delivery

The apparatus is supplied with 3 receptacles of equal volume, 2 of these serving to collect (① + ②), and 1 serving to introduce (③) the sample into the splitter (please refer to the illustration).

Loading of the Sample Material

Whilst loading the material care should be taken to ensure that the sample is evenly spread over the entire width of the receptacle and that it is evenly fed into the dividing head. The dividing process is repeated until the required sample quantity has been obtained.

Representative Samples

The aim of each sampling process is to obtain a representative, i.e. a sample fully corresponding to the bulk material in its quality. According to the particle distribution, care should also be taken to extract a sufficient sample volume.

The final sample volume depends on the maximum particle diameter of the bulk material. It is calculated from $W =$ Weight of the sampled quantity (kg) and "d" = max. particle diameter (mm) according to the equation " $W = 0.06 \times d$ ".

Example: max. particle diameter: 15 mm

Result: weight of the sampled quantity: 0,9 kg

The sampled quantity must not be inferior to 900 g!



Copyright

© Copyright by
Retsch GmbH
Haan, Retsch-Allee 1-5
D-42781 Haan
Federal Republic of Germany