Manual

Sample Splitters RT 6.5 – RT 12.5

Original

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1 Notes on the manual

This manual provides technical guidelines for the safe operation of the device. Read this manual through carefully before installing, putting into service and operating the device. Reading and understanding this manual is essential for handling the device safely and as intended.

This manual does not contain any repair instructions. Please contact your supplier or contact Endecotts Limited directly if anything is unclear or you have questions about these guidelines or the device, or in the case of any faults or necessary repairs.

You can find further information about your device at **http://www.endecotts.com** on the pages for the specific device concerned.

Amendment status:
The document amendment 0001 of the "Sample Splitters RT 6.5 – RT 12.5" manual has been prepared in accordance with the Directive of Machinery 2006/42/EC and the Supply of Machinery (Safety) Regulations 2008.

1.1 Disclaimer

This manual has been prepared with great care. We reserve the right to make technical changes. We assume no liability for personal injuries resulting from the failure to follow the safety information and warnings in this manual. No liability will be assumed for damage to property resulting from the failure to follow the information in this manual.

1.2 Copyright

2 Safety

⚠ CAUTION

C1.0002

Risk of injury
Lack of knowledge of the manual

- The manual contains all safety-related information. Disregarding the manual can therefore lead to injuries.
- **Read the manual carefully before operating the device.**

Target group:
The Sample Splitters RT 6.5 – RT 12.5 are intended for use in the preparation of samples in a laboratory environment. This Manual is therefore directed at those working with this device in such an environment, who already have experience using similar equipment.

2.1 Use of the Device for the Intended Purpose

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

2.2 Improper use

The device may only be used as intended.

Uses other than those described under intended use are deemed to be improper.

Damage claims in any form for damage to property and personal injuries that result from improper use and/or the failure to follow the safety information shall be ruled out.

3 Sample Splitters RT 6.5 – RT 12.5

Fig. 1: Sample Splitters RT 6.5 – RT 12.5

3.1 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 12.5, Slot width: 12.5 mm
max. feed particle size: 4 mm – 8 mm

3.2 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).

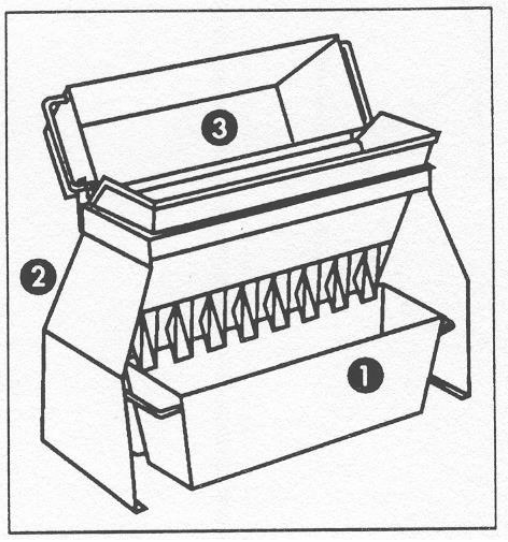

Fig. 2: Example drawing

3.3 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.

3.4 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 quantitative final sample volume depends on the maximum particle size and the praticle distribution in the total amount.

3.5 Maintenance

The device is maintenance-free if cleaned regularly.

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