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GRINDOMETERS – FINENESS OF GRIND GAUGES

VF2110, VF2111, VF2112, VF2113, VF2120, VF2121, VF2122, VF2123

DATASHEET

PRODUCT DESCRIPTION

Precision instrument to determine particle size and fineness of many materials like paints, lacquers, pigments, filler, chocolate etc.. TQC Grindometers have double grooves with graded slopes graduated in different parameters: Microns, NS (Hegman) and PCU (North) or a single wide groove with parameters: Microns and Hegman. Gauge and bevelled scraper are made of hardened stainless steel and have an accuracy of 2 µm.

BUSINESS

Food industry, laboratory, pharmaceutical industry

STANDARDS

Look up the appropriate standard for a correct execution of the test.
ASTM D1210, ASTM D1316, DIN 53203, DIN EN ISO NF21524, FTMS 141 a M.4411.1 ISO1524, NFT 30 046

FEATURES

- Precision instrument
- Ergonomic shaped scraper, for an easy grip.
- Many models available

SCOPE OF SUPPLY

- Pouch
- Grindometer
- Scraper
- Manual

ORDERING INFORMATION

VF2110 Grindometer Din- ISO 0-15µm, double groove
VF2111 Grindometer Din- ISO 0-25µm, double groove
VF2112 Grindometer Din- ISO 0-50µm, double groove
VF2113 Grindometer Din- ISO 0-100µm, double groove
VF2120 Grindometer Din- ISO 0-15µm, wide groove
VF2121 Grindometer Din- ISO 0-25µm, wide groove
VF2122 Grindometer Din- ISO 0-50µm, wide groove
VF2123 Grindometer Din- ISO 0-100µm, wide groove

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SPECIFICATIONS

Base :
175 x 60 x 12mm with 120mm groove length
Tolerance: ±2µm
Stainless steel

Scraper:
75 x 38 x 8mm
Shaped to be hold easily
Stainless steel

Double groove models:

VF2110
TQC Grindometer Din-ISO
Range: 0-15 micron, 10-8,5 PCU, 8-6,8 Hegman
Graduation: 1,5 micron
Double groove

VF2111
TQC Grindometer Din- ISO
Range: 0-25 Micron, 10-7,5 PCU, (north), 8-6 Hegman (NS)
Graduation: 2,5 micron
Double groove

VF2112
TQC Grindometer Din- ISO
Range: 0-50 Micron, 10-5 PCU, (north), 8-4 Hegman (NS)
Graduation: 5 micron
Double groove

VF2113
TQC Grindometer Din- ISO
Range: 0-100 Micron, 10-0 PCU, (north), 8-0 Hegman (NS)
Graduation: 10 micron
Double groove

Wide groove models:

VF2120
TQC Grindometer DIN-ISO
Range: 0-15 µm (micron), 8-6.8 NS (Hegman)
Graduation: 1.5 µm (micron)
Wide groove 37mm

VF2121
TQC Grindometer DIN-ISO
Range: 0-25 µm (micron), 8-6 NS (Hegman)
Graduation: 2.5 µm (micron)
Wide groove 37mm

VF2122
TQC Grindometer DIN-ISO
Range: 0-50 µm (micron), 8-4 NS (Hegman)
Graduation: 5 µm (micron)
Wide groove 37mm

VF2123
TQC Grindometer DIN-ISO
Range: 0-100 µm (micron), 8-0 NS (Hegman)
Graduation: 10 µm (micron)
Wide groove 37mm

USE

Place the gauge on a flat surface. Place a suitable amount of the material in the deep end of each groove. Place the scraper behind the deepest groove. Pull the scraper along the length of the gauge at a constant speed and apply sufficient downward pressure to clean excess material from the edges of the gauge. Asses the drawn out material within the next 3 seconds. Find a band across the grooves of 3mm wide which contains 5 to 10 particles of the material. Read the position of the upper limit of this band on the scale and record this value.

SPECIAL CARE

- Always clean the instrument after use with a suitable solvent.
- Never clean the instrument by any mechanical means such as a wire brush or abrasive paper. This may cause, just like the use of aggressive cleaning agents, permanent damage.
- The instruments have to be protected from rust when it is not in use. Rust can appear on the instrument when it is used only occasionally and when it is been handled by a user with sweaty hands.

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- Always dry the instrument and scraper after use to protect against rust, and apply a thin layer of oil to the surface of the instrument and scraper before storage.
- Always store the instrument in its pouch when not in use.
- Check regularly whether the gauge and the scraper are worn or damaged.
- Always dry the instrument and scraper after use to protect against rust, and apply a thin layer of preservation oil to the surface of the instrument and scraper before storage.

DISCLAIMER

The right of technical modifications is reserved.

The information given in this sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. Whilst we endeavour to ensure that all advice we give about the product (whether in this sheet or otherwise) is correct we have no control over either the quality or condition of the product or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of the use of the product. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.

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