

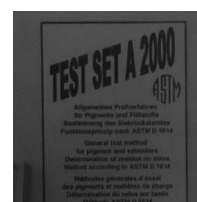
A 2000

SIEVE RESIDUE TESTING DEVICE



HITEC

LUXEMBOURG



TEST SET A 2000 TESTING DEVICE FOR THE ANALYSIS OF SIEVE RESIDUE

FUNCTIONAL PRINCIPLE

Inside the TEST SET A 2000 testing device the pigment or filler to be tested is flushed through a sieve by a water jet which is situated inside the container. The fine materials are separated from the coarse materials by the water and the fine particles are flushed through a sieve. The sieve residue is spread thin, washed again (approx. 2 min.), dried and gravimetrically analysed according to the guidelines. Appropriate sieves (main range ISO 565) must be used according to the different testing guidelines. Furthermore the recommendations of the ASTM-D 1514 standard must be used.

The percentage of the components of impurities is specifically prescribed and is analysed in order to maintain the desired product quality. The TEST SET A 2000 quickly provides the result which can be adjusted to the prescribed limiting values within the quality control. The TEST SET A 2000 is particularly important for extruded products and spinnable fibres.

It provides reproducible results even for the most difficult products.

EXAMPLES FOR APPLICATION

The TEST SET A 2000 is used worldwide mainly for carbon black. Applications for inorganic pigments and fillers / extenders are also possible.

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KEY FEATURES

Used for gravimetrical analysis and checks of pigments and fillers / extenders within the quality control

Mechanical flushing method

Functional principle according to ASTM D1514

- Low noise level
- Measurement ranges from 0.025 mm to 1 mm
- Easy handling
- Free flushing nozzle in lid for (funnel) vessel
- Handy sieves (diameter 50 mm, weight from 5 g)
- Easy sieve entry and removal
- Absolute reproducibility of screening results
- No dust forming due to sealed construction
- Reliable and durable technology
- Easy servicing
- Compact space saving design

CUSTOMER SATISFACTION PROMISE

We offer worldwide installation and maintenance services by our experienced engineers and technicians. Contact our sales & service team for more information: sales@hitec.lu

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The TEST SET A 2000 processes more quickly, more safely and with greater cleanliness due to a great number of new features. Controlling water quality, flow and pressure is of particular importance. All components that are necessary for a reproducible test are integrated into the TEST SET A 2000 testing device. An electronic water switch off clock automatically limits the flushing time. A quick, simple and clean entry and removal of the sieve is guaranteed due to a new quick fastening system. A special spraying nozzle in the container lid flushes all residue out off the funnel and onto the sieve surface.

PERFORMANCE FEATURES

Range of application: Wet screening, cleansing from mud
 Input materials: Powder, suspension and mud
 Number of fractions: Standard 1
 Charge/solid matter amount: 5 to 200 g

ACCESSORY

- Sieve pocket lens for an easy and fast inspection of sieve material acc. DIN EN 565, 3310-1
- Pump for pressure increase

DEVICE COMPONENTS

- Quick, clean and simple fastening due to a quick fastening system
- Screen observation through a glass lid
- Automatic water switch off clock for flushing time limiting
- Pressure reducing valve for constant pressure conditions
- Manometer for pressure control
- Flow meter for water volume control
- Spaying nozzle in container lid for flushing the vessel free of residue
- Water filter protects against external impurities (accessory)



SPECIFICATIONS*

Case:	Stainless steel	Flow meter:	60 – 600 l/h
Analysis sample vessel:	Stainless steel	Total water flow:	450 l/h
Vessel lid:	Glass	Flow at the nozzle:	450 l/h
Depth:	400 mm	Water clock:	0 – 120 min
Width:	380 mm	Input:	Directly onto the screen
Height:	600 mm	Discharge unit with	Stainless steel
Max. working height:	760mm	discharge hose:	
Weight:	approx. 13.4 kg	Noise parameters:	DIN 45635-01
Pressure reducing valve:	Ms, adjustable 2 – 5 bar	Emission value at	LpA eq = 60 dB (A)
Water pressure	2 bar	the work place:	
(set acc. to ASTM):			

SIEVES ACCORDING ISO 565 DIN 3310-1

Sieves with a diameter of 50 mm and a weight of 5 g with or without an impact tongue are used according to different test methods. These screens make the handling for the user very simple and allow the weighing by using standard analytical balances. The sieves ring is supplied in either plastic (type A) or stainless steel (type B). The sieve fabric is testing sieve fabric according to DIN 9044 ISO 4783. It is possible to obtain testing certificates or other 3.1 B according to DIN EN 10204 or factory certificates 2.2.



* All product, product specifications and data are subject to change without notice to improve reliability, function or design or otherwise.



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