



NDA VACU

NON DISPERSIBLE MATTER (NDM)

Test set NDA VACU for the analysis of sieve residue

Mechanical flushing method – Functional principle according to ASTM D 7724

This test method covers the determination of **non-dispersible matter** after mechanical water flushing of carbon blacks (and other powder materials).

The process provides information of the content of coarse impurities or constituents which are insoluble in water, such as ceramic constituents, metals or heavily compacted pigments.

The principle and the related test method have been developed to determine the **non-dispersible matter** on a specific class of carbon blacks called Mechanical Rubber Grades (MRG).

It delivers reproducible results even with the most difficult products.

Key features

- High-quality, reliable and durable technology
- Fully-automatic operating program
- Collecting tank 50 liters with integrated water pump (fully automatic)
- Handy sieves (diameter 105 mm)
- Simplest sieve entry and removal
- Absolute reproducibility of screening results
- No dust dispersion due to sealed construction
- Glass vessel for observation of process
- Easy maintenance
- Automatic lifting system for vessel lid
- Low noise level

Customer satisfaction promise

We offer worldwide installation and training services by our experienced engineers and technicians.

Contact our sales & service team for more information: sales@hitec.lu

Visit our online catalog for more information:

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NDA VACU CHARACTERISTICS

Performance features

Range of application:	Wet screening, classification, elutriation, screen section
Input materials:	Powder, suspension and mud
Number of fractions:	Standard 1 (max. 3)
Charge / solid matter amount:	From 100g to 800g in one input step

Technical data*

Case / Analysis sample vessel / lid:	Stainless steel / Glass
Motor (flushing nozzle):	24 V DC 10 rpm
Power supply:	110 V or 230 V 50/60 Hz
Height:	1.800 mm
Width:	950 mm
Depth:	900 mm
Weight approx.:	150 kg
Water filter:	Standard: 60 micron
Pressure reducing valve:	Brass, adjustable 2-5 bar
Water pressure (set):	3bar / 4bar
Flow meter:	0-1200L/h
Total flow:	820 l/h at 3bar / 1020 l/h at 4bar
Noise parameters:	EN ISO 3740
Emission value at work place:	L pA eq = 68dB (A)

Connections

Water supply:	Clean water at least DN ½" at 3 or 4 bar, recommended 17°C
Drainage connection:	At least DN ¾" (maximum 6m long, maximum height 2 m)

Test sieve specifications*

Screen ring:	Stainless steel
Diameter:	105mm
Sieve material:	Stainless steel, Test sieve according ISO 565/DIN ISO 3310-1/DIN 9044 ISO 4783
Standard mesh sizes:	0.020 mm - 0.500 mm (other mesh sizes on request)

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

