

HAYER & BOECKER



DIE DRAHTWEBER

HAYER UFA.

ULTRASONIC FREQUENCY VARIATION FOR TEST SIEVES.



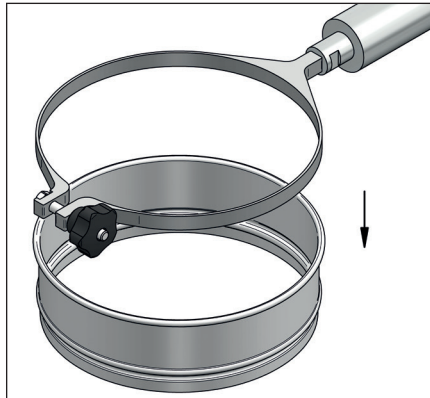
HAVER UFA.

Ultrasonic Frequency Variation for Sieving Support.

The woven sieve cloth is continuously vibrated at a uniformly distributed, varying frequency. These high frequency vibrations **reduce frictional resistance** between the material particles and the sieve cloth. This type of sieving support greatly accelerates the sieving process. For some bulk materials sieving is first possible only with a vibration-type sieve shaker. The special feature of this process is that frequency variation requires **no elaborate modulation of the agitated mechanical system** (test sieve) as opposed to the conventional resonance process. The **plug-and-play** solution allows a simple and flexible vibration of standard test sieves.

Advantages of the HAVER UFA:

- Increase of throughput of bulk materials $\leq 300 \mu\text{m}$
- Clogging tendency is reduced and disintegration of agglomerated material is promoted
- Sieving performance is increased and sieving times shortened
- Permanent sieve mesh cleaning effect with less mechanical wear on the screens
- Several test sieves can be agitated at the same time with a single generator



Clamping ring and converter before using the test sieve



By the use of HAVER UFA the sieving of loose adhesive materials is made possible



Analogue generator for the vibration of a test sieve (AGS35-100)



Digital generator for the simultaneous vibration of up to three test sieves (DGS35-50-T)

Technical Data:

| | |
|---------------------|---|
| Clamping ring: | $\varnothing 200 \text{ mm}, 203 \text{ mm}, 300 \text{ mm}, 400 \text{ mm}$ |
| Converter: | Connector cable included |
| Analogue generator: | AGS35-100 Weight: 3.3 kg Ultrasonic power: 20-100 W (stepless adjustment) Operating modes: continuous / pulsating Protection class: IP 65 |
| Digital generator: | DGS35-50-T Weight: 3.6 kg Ultrasonic power: 50 W max. Protection class: IP 65 |

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