

Pneumatic compaction unit for wood chips and sawdust

# SFM1\_HACK



## Overview of Features

- Ability to measure various material grading: fine, medium & coarse
- Periodic measuring, directly in process
- Based on the optimized design the transport of the material is guaranteed

The compaction unit SFM1\_HACK is specially designed for the **determination of residual moisture of particularly coarse material** in the free fall. Based on the open beveled shape of the SFM1\_HACK blocking and bridging can be prevented even if the pieces of the material are very long or coarse.

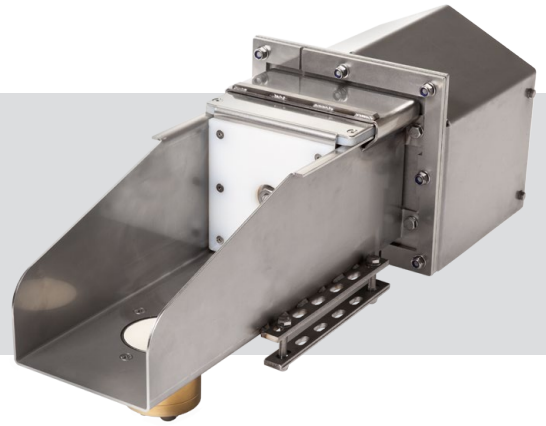
A pneumatic cylinder compacts and pushes the falling down material across the integrated ACO moisture measuring sensor in constant conditions. The measuring surface gets cleaned at the same time. The constant compaction and steady material height enables great measuring results.

The SFM1\_HACK can be mounted directly at the dryer entrance but also it can be fixed to a wall (e.g. of a drop shaft).



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## Technical Details

Material	Stainless steel Guiding rail: Plastic
Dimensions, over all	680 x 240 x 230 (L x W x H in mm)
Troughput	ca. 1,3 m <sup>3</sup> /h
Connected	Compressed air: 4..6 bar, ca. 12 Liter per min
Certification, ATEX	Pneumatic cylinder: II 2GD c T4 T120°C Pneumatic valve: II 2GD C T4 T130°C Electro valve: II 2G Ex mb II T5 / II 2D Ex tD A21 IP65 T95°C Proximity switch: II 3G Ex nA IIC T4 X Gc / II 3D Ex tc IIIC T120°C X Dc

### Scope of delivery

- Compaction unit including pneumatic cylinder
- Electro-pneumatic valve incl. coil (24V DC)
- 2 proximity switches (24V DC)
- Mounting parts, incl. screws
- Wall mountings, incl. screws
- Dust and weather cover for pneumatic cylinder
- Clamp flange for ACO moisture measuring sensor

