

Screw compaction unit for installation
in free fall of material

SFM4



Overview of Features

- Ideal material conditions for the on-line moisture measurement
- Flexible mounting of the bypass screw conveyor
- Subsequently applicable
- Great experience in the field of saw dust
- Maintenance flap for taking samples

The SFM4 bypass screw compaction unit has to be placed in a free fall situation of material, e.g. in a drop shaft. A partial flow of this material is trapped in the first section of the compaction unit. The screw compactor compresses the material and conveys it into the second part of the unit, right across the installed ACO moisture sensor for the **determination of the residual moisture**. Then the material falls down through a drop pipe back into the process.

Based on this constant and equal conditions (density, dumping height, etc...) **precise measuring results** are available.



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Technical Details

| | |
|-------------------------------|--|
| Material | Stainless steel |
| Dimensions, over all | 900 x 490 x 450 (L x W x H in mm) |
| Troughput | ca. 1,2 m ³ /h |
| Connected load (motor) | 400 V AC / 50 Hz / 1,35 A / 0,55 kW |
| Scope of delivery | <ul style="list-style-type: none"> • Screw compaction unit complete with gear motor • Clamp flange for ACO moisture measuring sensor |
| Optional: Certification, ATEX | Motor: II 3D Ex tc IIIB T120°C Dc Gear: II 2GD c, k T4/T120C |
| Optional | Length, height, dimensions of flanges on customer requirements |



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