

DENSFLOW

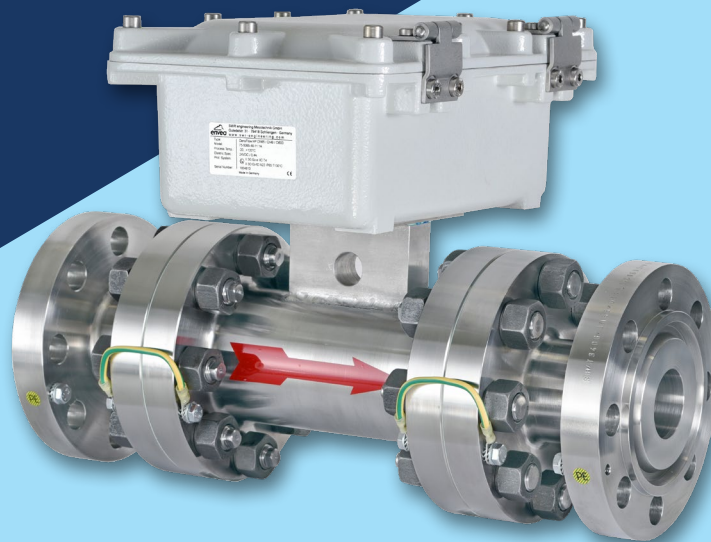
FLOW MEASUREMENT FOR DENSE PHASE CONVEYING



The DensFlow measures the flow rate of conveyed dense powder or granulate materials

FEATURES AND BENEFITS

- Reliable flow metering in pneumatic dense-stream
- Unlimited throughput volumes can be measured
- With densflow hp pressure resistant up to 85 bar
- Installation creates no obstacle in the profile, hence no dead spots in which residue can form
- Measurement independent of the flow speed of the material
- Simple retrofitting
- Maintenance-free
- Contactless measuring procedure (no mechanics)
- Available for ATEX and IECEx applications



TECHNICAL SPECIFICATIONS

Sensor (DensFlow / DensFlow HP)

Housing	Stainless steel 1.4571 - NW 10 ... 100 mm, flange according EN 1092-1
Inner pipe	Ceramic (Al ₂ O ₃)
Protection category	IP65 according EN 60 529/10.91 Marking DustEx: II 2D Ex ib IIIC T135 °C Db Marking GasEx: II 2G Ex ib IIC T4 Gb
Environment temperature	Sensor pipe: -20 ... + 130 °C Sensor electronic: 0 ... + 60 °C
Max. working pressure	85 bar
Transmission power	Max. 2 mW
Weight	Depending on the diameter
Dimensions	H: depending on diameter, L = 500 mm
Accuracy	± 2 ... 5 % in the calibrated measuring range

Barrier IPB20

Power supply	From MSE 300
Protection category	IP20 Marking DustEx: II (1 D [Ex ia Da] IIIC Marking GasEx: II (1)G [Ex ia Ga] IIC
Environment temperature	0 ... +60 °C
Weight	Approx. 500 g
Dimensions	107.6 x 89.7 x 60.7 (W x H x D)

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DensFlow Datasheet

DensFlow flow measurement for dense phase conveying
Specifications subject to change without notice.

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