



Datasheet

solids – Vibration Dosing Screw

DSV-Hygienic



Operating conditions:

permissible operating pressure: <0,5 bar g, product temperature max: 100° C

bulk solids data:

powder form up to granule form, up to middle hardness, difficult up to very difficult flowing

Type	Inlet / Outlet	Height	V / Round	Weight
DSV08001Y01	Ø 200/80 mm	375 mm	0,15 dm ³	60 kg
DSV10001Y01	Ø 200/100 mm	375 mm	0,3 dm ³	70 kg
DSV12501Y01	Ø 200/125 mm	375 mm	0,65 dm ³	80 kg
DSV15001Y01	Ø 250/150 mm	425 mm	0,95 dm ³	90 kg
DSV20002Y01	Ø 250 /200 mm	425 mm	2,5 dm ³	135 kg

Basical version:

according EU-regulations, directives and EHEDG-guidelines

housing: welding construction – stainless steel 1.4306

screw helix: welding construction – stainless steel 1.4306, pitch S=1/2D at inlet

screw extensible, leading rails are option

bearing inside the gear, shaft seal: radial shaft sealing rings FDA-approved, with sealing/purge air connection

pneumatic installation for sealing/purge air, consisting of 2/2-way solenoid valve, pressure regulator and nozzles

inlet with centering flange, outlet horizontal without flange

conveying length: min. 3xD from centre inlet, max. 1500 mm, easy removable, easy cleanable

with metering star: increases metering constancy, prevents pulsation

hygienic design for food, pharma, cosmetics, chemistry

easy to dismantle, easy to clean, free of dead zones and free of gaps

in contact with product (inside) surface quality Ra < 0,8 µm

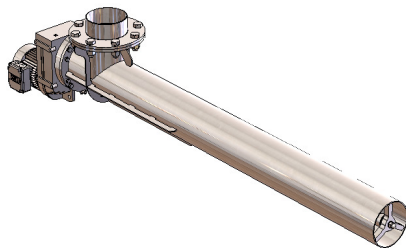
outside pickled or brushed and passivated

suitable for zone 21 inside category 2 acc. ATEX94/9/EC, electrical data: 24V DC, IP65

drive: direct, motor connection direct at the motor-terminal box

motor: three-phase gearboxmotor, manufacturer: SEW, separately specified

form: slip on gear with flange



approval:	MIGSA	SST	H. Linder
	Datum:	Kurzzeichen:	Datum:

Preliminary
Modifications reserved



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www.solids.eu



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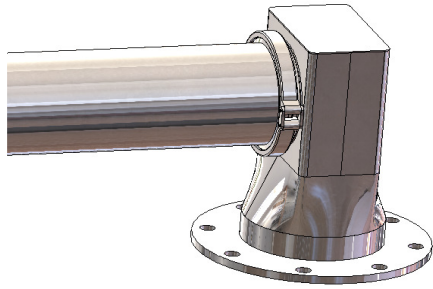
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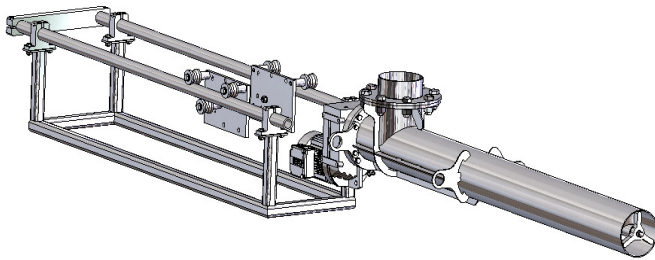


Options:

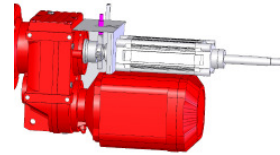
1. housing and screw helix made of 1.4404
2. housing and screw helix made of 1.4571
3. electropolished
4. outlet part with connection at the housing and vertical round outlet



5. pull out device with leading rails



6. rotation sensor M12



7. motor-terminal box with plug connector Ex-free

8. electrical parts outside for zone 2/22 without plug connector

9. electrical parts outside for zone 1/21 without plug connector

10. electrical parts outside for zone 2/22 with plug connector

11. electrical parts outside for zone 1/21 with plug connector

12. pitch $S=D$ continuous, only allowed without fine dosing and length max. $4xD$ (from centre inlet)

Related documents:

3D-Part: Type.step (example : **DSV08001Y01**. Step)

2D-planning drawing: Type.dxf (example: **DSV08001Y01**. dxf)

selection criteria: SG-DSC-DSCB-DSV-DSVB

pricelist: PL-DSV-Hygienic

list of drawing numbers: Draw-No-List_DSV-Hygienic

Electrical parts list: Electrical Parts List_DS



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