



Datasheet

solids – Vibration Dosing Screw

DSV-Basic



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
DSV08001B01	Ø 200/80 mm	375 mm	0,15 dm ³	60 kg
DSV10001B01	Ø 200/100 mm	375 mm	0,3 dm ³	70 kg
DSV12501B01	Ø 200/125 mm	375 mm	0,65 dm ³	80 kg
DSV15001B01	Ø 250/150 mm	425 mm	0,95 dm ³	90 kg
DSV20002B01	Ø 250 /200 mm	425 mm	2,5 dm ³	135 kg

Basical version:

housing: welding construction – carbon steel

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

screw extensible, leading rails are option

bearing inside the gear, shaft seal: radial shaft sealing rings

inlet with 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

suitable for zone 21 inside category 2 acc. ATEX94/9/EC

electrical data: 24V DC, IP65

drive: direct

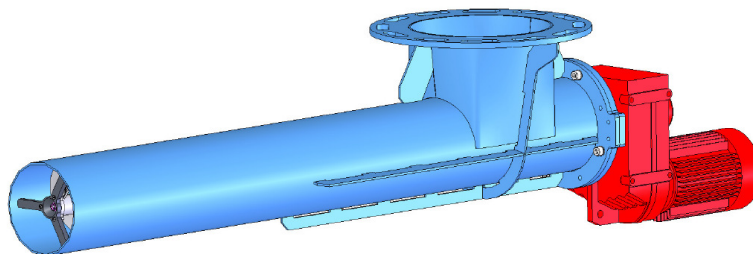
motor: three-phase gearboxmotor, manufacturer: SEW, separately specified

form: slip on gear with flange

motor connection direct at the motor-terminal box

surface treatment: with chemical descaling,

base painting 40 µm zinc-phosphate, final painting 40 µm 2-components-polyurethan, RAL5012 blue



approval:	MIGSA	SST	H. Linder
	Datum: 10.10.12	Datum: 10.10.12	Datum: 10.10.12
	Kurzzeichen: Ru	Kurzzeichen: Le	Kurzzeichen: Li

Preliminary
Modifications reserved



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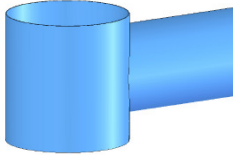


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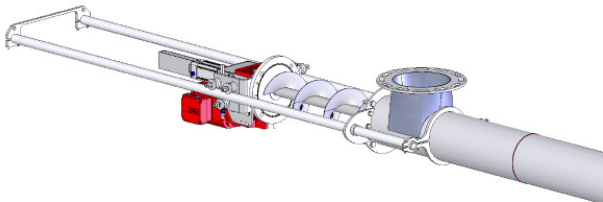


Options:

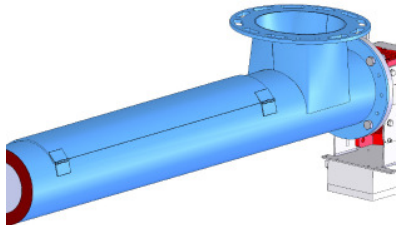
1. screw helix made of 1.4306
2. length over 1500 mm, maximum 3000 mm, with bearing support
3. outlet part with connection at the housing and vertical round outlet



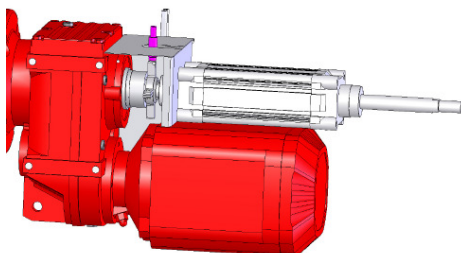
4. pull out device with leading rails



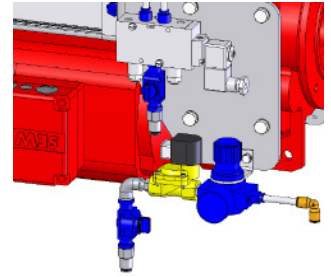
5. inspection and cleaning cover
L=1000 mm in the tube, quantity depends on the length, at operation without pressure



6. rotation sensor M12



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



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

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

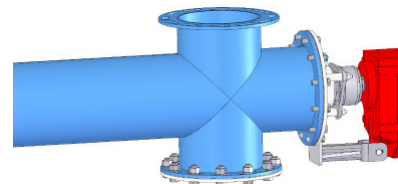
10. electrical parts outside for zone 1/21 without plug connector

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

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

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

14. connection under inlet with flange



Related documents:

3D-Part: Type.step (example : **DSV08001B01**. Step)

2D-planning drawing: Type.dxf (example: **DSV08001B01**. dxf)

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

pricelist: PL-DSV-Basic

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

Electrical parts list: Electrical Parts List_DS



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