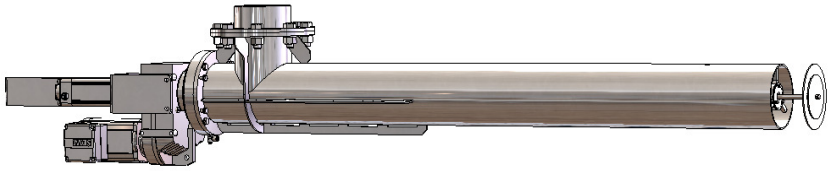
Datasheet
solids – Vibration Dosing Screw Batch
DSVB-Hygienic

Operating conditions:
permissible operating pressure: atmospheric, 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
DSVB08001Y01A	Ø 200/80 mm	375 mm	0,15 dm^3	60 kg
DSVB10001Y01A	Ø 200/100 mm	375 mm	0,3 dm^3	70 kg
DSVB12501Y01A	Ø 200/125 mm	375 mm	0,65 dm^3	80 kg
DSVB15001Y01A	Ø 250/150 mm	425 mm	1,1 dm^3	90 kg
DSVB20002Y01A	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 pneumatic quick-action flap valve (open-closed) when dosing stops incl. pneumatic and 1 solenoid valve (fine dosing position of the flap valve is option)
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. ATEX2014/34/EU, electrical data: 24V DC, IP65
drive: direct, motor connection direct at the motor-terminal box
terminal box IP54 for solenoid valves and 2 initiators
motor: three-phase gearboxmotor, manufacturer: SEW, separately specified
form: slip on gear with flange



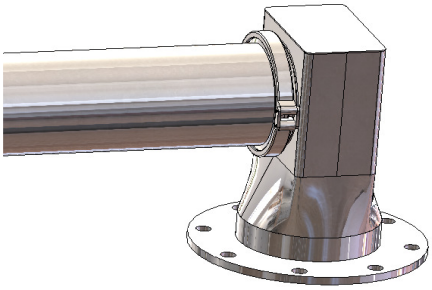
approval:	MIGSA		SST		H. Linder	
	Datum:	Kurzzeichen:	Datum:	Kurzzeichen:	Datum:	Kurzzeichen:

Preliminary
Modifications reserved

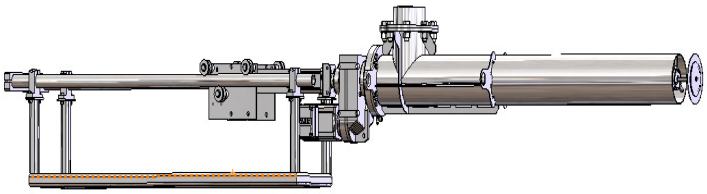
solids solutions group
www.solids.eu

Options:

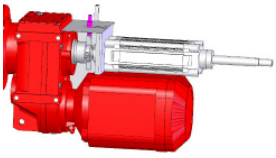
1. housing and screw helix made of 1.4404
2. housing and screw helix made of 1.4571
3. electropolished
4. outlet part with connection at the housing and vertical round outlet



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)
13. Fine dosing position of the flap valve with 1 additional solenoid valve, 1 additional initiator and a control card

Related documents:

3D-Part: Type.step (example : **DSVB08001Y01.** Step)
2D-planning drawing: Type.dxf (example: **DSVB08001Y01.** dxf)
selection criteria: SG-DSC-DSCB-DSV-DSVB
pricelist: PL-DSVB-Hygienic
list of drawing numbers: Draw-No-List_DSVB-Hygienic
Electrical parts list: Electrical Parts List_DS