

SD 25 / SD 50 / SD 80 Servo



Screw-type feeder for
high accuracy

- For the dosing of powder in various format ranges
from 0.1 up to 25,000 ccm
- Maximum weight accuracy via servo drive and state-of-the-art electronics
- Technology for the highest possible performance and precision fulfilling
FPV requirements
- Excellent cost-performance ratio

A fresh breeze in bag packaging

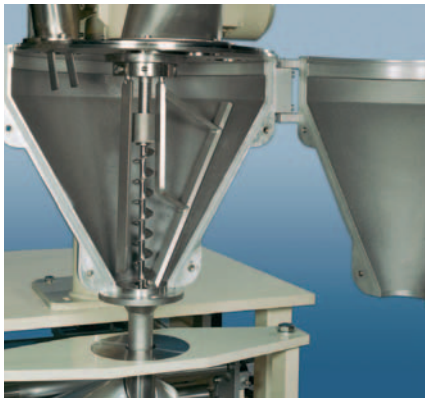


Screw-type feeder SD 25 / SD 50 / SD 80 Servo

Servo driven dosing technology for high performance and precision

The high performance and precision of the SD series in the volumetric proportioning of powdery to fine-grained products which have to be handled with particular care and filled into containers in a dust-free manner convince the user over and over again.

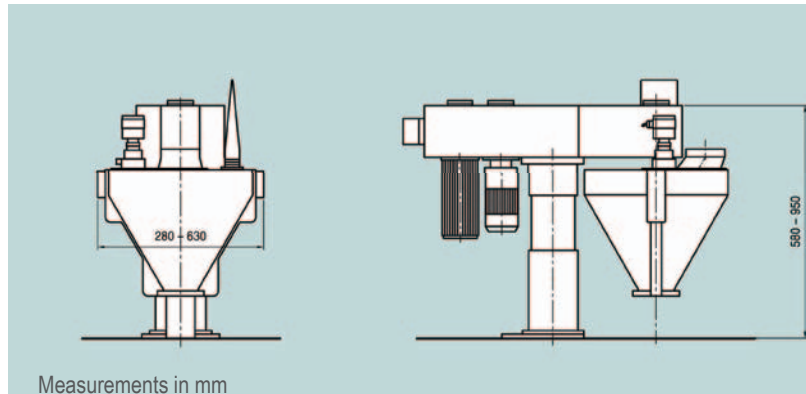
Free-flowing and sluggish products as well as those which stick or give off dust, such as spices, coffee, baby foods or chemical/pharmaceutical powders of 0.1 to 25,000 cm filling volume are proportioned extremely economically on the models SD 25, SD 50 and/or SD 80.



The hoppers of the larger screw-type feeders are designed in a split hinged execution. This enables a quick cleaning when changing products.

Reliable operation

The method of operation of this feeder is derived from the principle of the „Archimedean screw“. The filling volume is determined by the diameter and pitch of the rotating screw located in the filling tube. The volume can be varied by the number of rotations. Depending on the characteristics of the product, different types of screws and closing systems are used.



Measurements in mm

Technical Data	SD 25 Servo	SD 50 Servo	SD 80 Servo
Machine height*	min. 580 max. 700 mm	min. 700 max. 820 mm	900-950 mm
Machine width	280 mm	500 mm	630 mm
Machine depth	850 mm	950 mm	1327 mm
Filling volume	0.1-1,000 cm ³	0.2-5,000 cm ³	20-25,000 cm ³
Dosing rate*	max. 180 cycles/min	max. 160 cycles/min	max. 160 cycles/min
Auger positioning*	0.05°	0.05°	0.05°
Auger diameter	up to max. 35 mm	up to 54 mm	up to 100 mm
Energy requirement	1.5 kW	2.5 kW	3.72 kW
Mains connection	230/400 V, 3 Ph., N, 50/60 Hz	230/400 V, 3 Ph., N, 50/60 Hz	230/400 V, 3 Ph., N, 50/60 Hz
Type of protection	IP 54	IP 54	IP 54
Weight	65 kg	130 kg	220 kg
Colour	RAL 1013/9007	RAL 1013/9007	RAL 1013/9007

*) depending on product

Subject to technical modifications

User-friendly features – convincing benefits

- Maximum proportioning accuracy due to constant product filling level and material pressure, no deviations in proportioning rate
- Maximum weight accuracy via servo drive and state-of-the-art electronics, which permit an infinitely variable and extremely precise setting of the number of rotations of the screw
- Product saving due to reduced overfilling thanks to standard deviations of only +/- 0.5% or less
- Short-term amortization due to considerable product saving
- Version SD 25 with stainless steel hopper
- Separate stirrer drive
- Electronic control

- Aluminium product hopper, split hinged opening with inspection glass for versions SD 50 and SD 80
- Adjustable number of screw revolutions

Optional equipment

- Horizontal infeed screw
- Transfer hopper
- Proportioning screw and filling tube for different sizes
- Auger shut-off system according to product specification
- Gassing devices for achieving residual oxygen content of below 1%
- Frequency controlled version
- Vibrating units
- Feedback control



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