

GraviCon 3000 CP-S

Volumetric dosing unit for free flowing materials

Dosing units of the CP-S series are especially designed for extrusion and allow the conveying of free flowing materials as pellets, mill material, powder, dry-blend mixtures etc..

The housings have a solid design and are made of stainless steel No. 1.4301. The plastic cylinders and conveying screws are exchangeable and can be adapted to material type and feed rate.

Due to a special sealing and positioning of conveying screw towards drive motor, material leakage on the side of drive motor is not possible.

The unit allows quick and easy disassembling and cleaning. For this process the drive component can be moved aside.

AC motors are generally equipped with separate frequency converter (speed control range 1:30).

Available on request:

Step motor (control range 1:400).

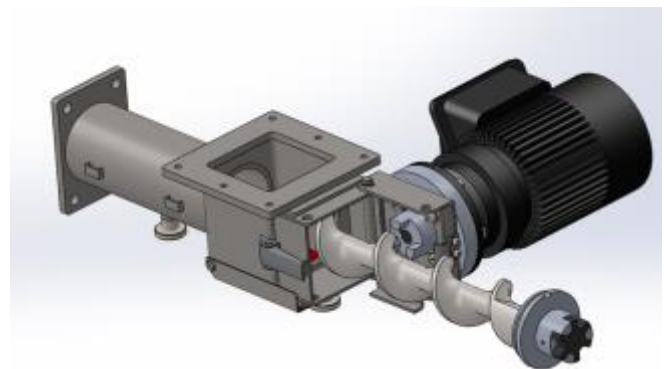
Available as option incl. sample extraction plus additional security package.

The conveying capacity of the device depends on:

- Material form and graining
- Specific weight of material
- Dimensional weight of material
- Surface structure of material

Features

- Simple mechanical design
- Nearly 100% screw filling level
- Recipe changing without tools
- Low wear and maintenance
- Quick emptying & cleaning
- External motor – no bulk material heating
- Wide throughput range
- Excellent price/performance ratio



Product range:

Type of device	Screw / cylinder design Colour / geometry	Throughput* min. / max.
GraviCon 3000 CP-S22	Yellow 6/14	0,2 – 6 kg/h
	Brown 10/198	0,7 – 20 kg/h
GraviCon 3000 CP-S32	Yellow 6/14	0,2 – 6 kg/h
	Brown 13/20	0,7 – 20 kg/h
	Red 17/25	1,4 – 45 kg/h
	Green 25/34	4,5 – 130 kg/h
	Black 40/50	17 – 500 kg/h
GraviCon 3000 CP-S42	Black 48/60	24 – 700 kg/h
	Blue 58/xx	40 – 1200 kg/h
GraviCon 3000 CP-S60	Blue 60/xx	40 – 1500 kg/h
GraviCon 3000 CP-S100	Black leaf snail	100 – 3000 kg/h

* **Material: PE pellets, apparent density up to 570 g/L**

All dosing units of the CP series are available on request with required machine funnel incl. inspection window and cover. Design and construction depend on material volume and available space on site.

Example:

Stand-alone device „**GraviCon 3000 CP-S22**“



Application:
Colouring of profiles