

Rotary vacuum dryer RTSD

Rotation drying under vacuum



GMP compliant drum interior with filter and product temperature sensor.

For many applications drying under motion is an advantage: powders and pellets are mixed during the drying process for a homogeneous heat transfer to the product.

The rotary vacuum dryer RTSD (patent pending) is applicable for cleanrooms and suited for products like powder or pellets.

The chief advantage over conventional rotary dryers is that the product chamber of the RTSD has no concealed edges and gaps. The rotary-type dryer can be (un)loaded contamination-free and with less effort.

The single rotary joint of the RTSD permits the drive, the vacuum production and the transfer of the heating medium as well as measurements. This allows clean-room installation and use in sterile process environments. The drum is dual cone shaped and optionally available as a tumbler.

Technical data and features

Drum volumes: 125/250/500/1,000/1,500 l

Heating: double-walled drum, immersed in heating medium

Heating medium: hot water or thermal oil

Temperature: max. 200 °C

Materials: high-grade stainless steels, Hastelloy, Inconel, Titanium

Surfaces: ground and polished

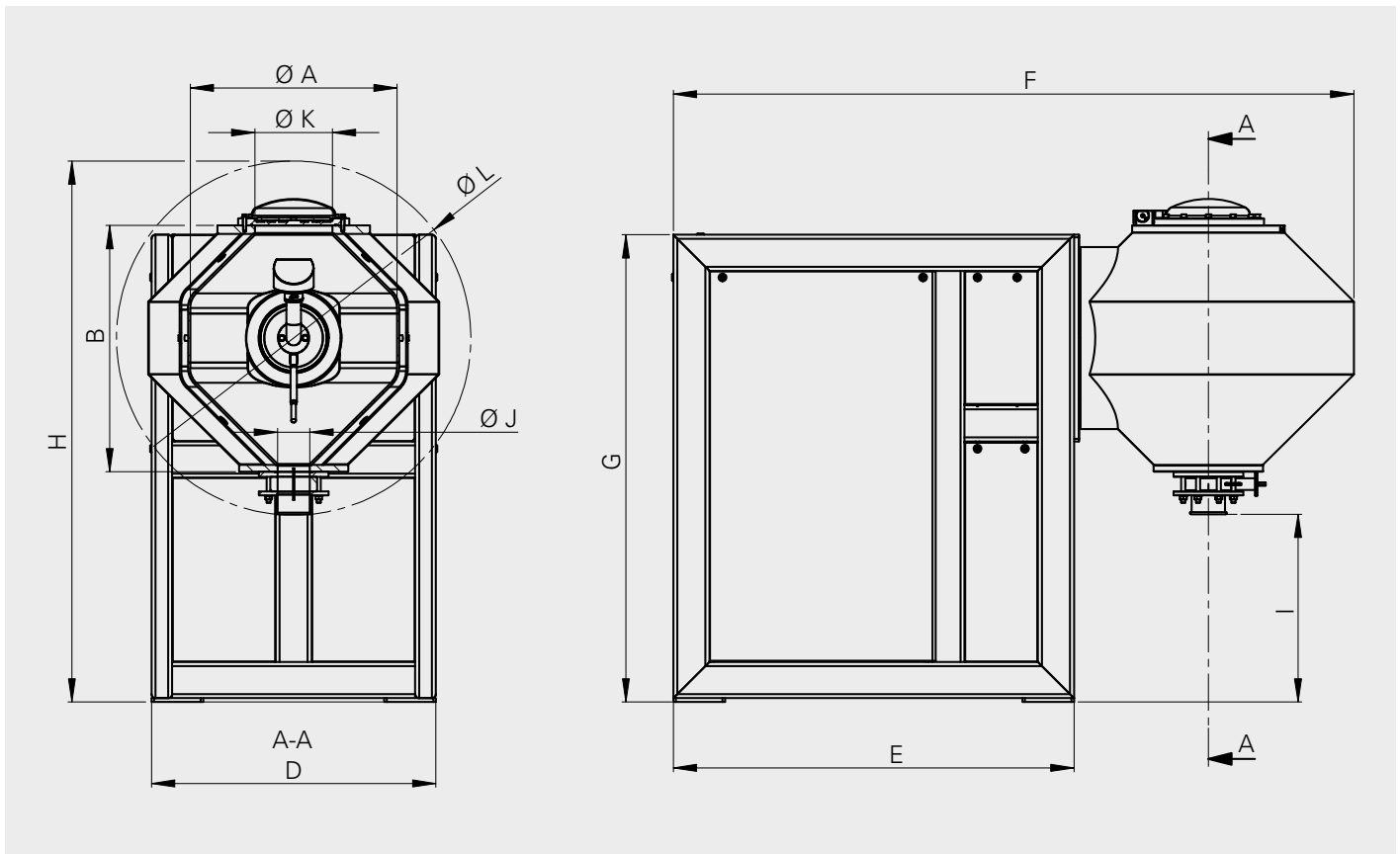
Tightly welded insulating jacket standard

System advantages

- For high-purity, sterile processes in the chemical, pharmaceutical, biotechnology and food industries
- Suitable for clean rooms or integration in a sterile wall
- Designed to GMP standards and hence ideal for FDA/EHEDG approval
- Easy-to-clean drum interior – even for frequent product changes (CIP/SIP capability for manual or automatical cleaning processes)
- Suitable for installation and operation in explosion-hazardous environments
- User-friendly and safe product handling by „flying“ bearing (no second machine foot)



Dimensions of the rotary vacuum dryer RTSD



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Type	Drum volume (l)	A (Ø mm)	B (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (Ø mm)	K (Ø mm)	L (Ø mm)
RTSD 125	125	650	750	1,100	1,550	2,450	2,000	2,200	1,000	125	300	1,250
RTSD 250	250	800	950	1,100	1,550	2,650	2,100	2,350	1,000	125	300	1,400
RTSD 500	500	1,000	1,200	1,200	1,550	2,900	2,250	2,750	1,000	200	450	1,750
RTSD 1000	1,000	1,200	1,500	1,300	1,550	3,100	2,450	3,050	1,000	200	450	2,100
RTSD 1500	1,500	1,400	1,700	1,400	1,800	3,500	2,600	3,300	1,000	200	450	2,300

PiNK GmbH

Thermosysteme

Am Kessler 6

97877 Wertheim

Germany

T +49(0)93 42/919-0

F +49(0)93 42/919-444

thermosysteme@pink.de

www.pink.de