

Rotor Fine Granulators

RFG 250 series



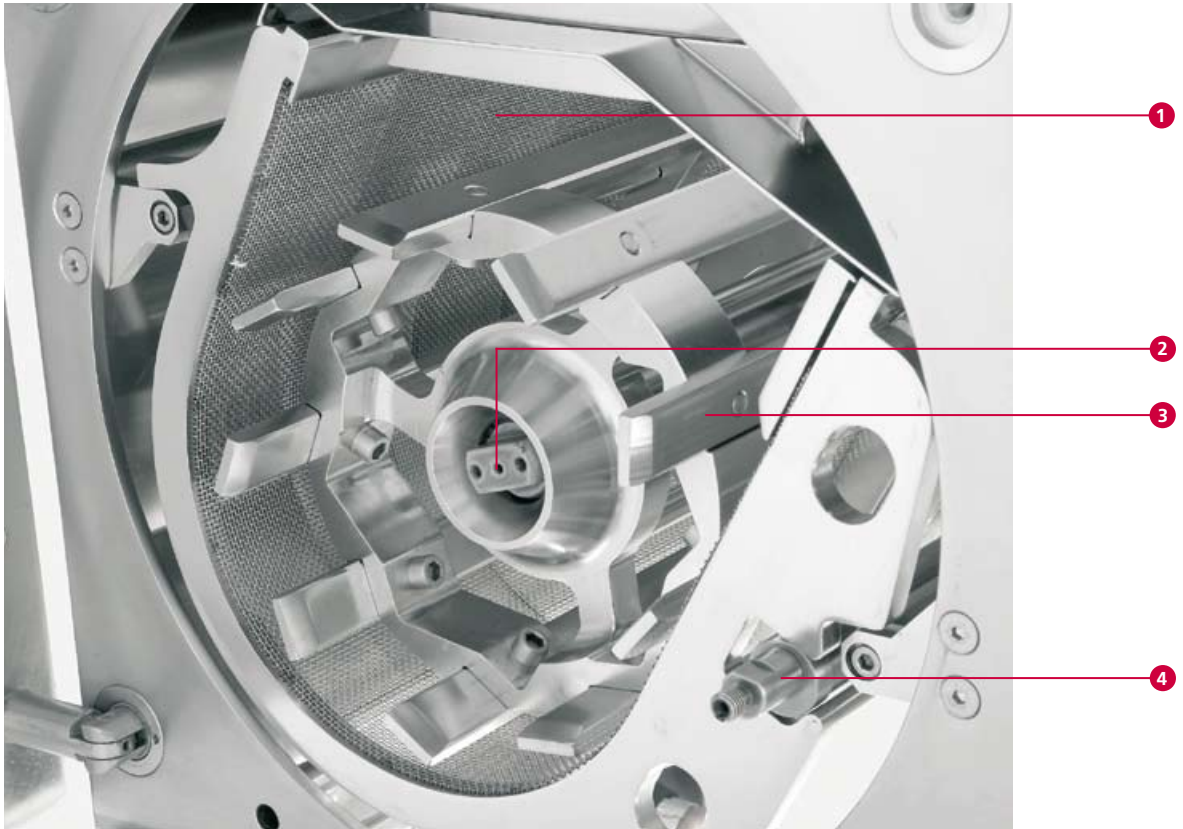
RFG 250 series

The rotor fine granulators of the RFG 250 series have throughputs up to 1,500 kg/hr (type: D), 3,000 kg/hr (type DL), or 4,500 kg/hr (type DDL) respectively. With these three models, Alexanderwerk offers a staged range of powerful machines for granulation and size reduction of dry or slightly moist materials.

Granulation by means of rotor fine granulators is mechanical crushing of the material to produce granules of a defined particle size. Typically, rotor fine granulation does not produce any oversize (i. e. granules the size of which exceed the upper admissible limit). At the same time, this type of size reduction minimizes the fines content in the finished product. Rotor fine granulation is a very gentle process.

Design

- patented diagonal (D) design for increased throughput (as compared to the conventional design of similar size)
- feed hopper for manual filling (type D)
- customized inlet and discharge chutes (types DL and DDL)
- rugged working housing to accommodate tools
- hinged front door for easy access (optionally hinged on right or left hand side)
- revolving screen to accommodate the screen mesh or perforated plate
- reproducible working gap adjustment, adjustable from the outside via an eccentric guide
- rotor with replaceable bars (types DL and DDL)
- cantilever rotor bearing (type D)
- two-sided rotor bearing (types DL and DDL)
- purged seals
- gear motor flanged direct on the working housing
- optional: motor console to mount the motor
- optional: cover for gear motor
- optional: pharmaceutical design
- optional: gas-tight design
- optional: explosion-proof design acc. to ATEX
- optional: mobile trolley
- optional: control console (including or excluding speed adjustment)
- optional: WIP design (Wash In Place)



- 1 Screen
- 2 Rotor
(the two-sided bearing design of the DL model shown here)
- 3 Rotor bars
- 4 Screen adjustment
(possible while the machine is closed)

The screen position can be adjusted while the machine is closed.

Technical Data

	RFG 250 D	RFG 250 DL	RFG 250 DDL
Screen size [mm]	0.5–10	0.63–10	0.8–10
Rotor diameter [mm]	250	250	250
Working length [mm]	300	600	900
Material	1.4571, AISI 316 Ti	1.4571, AISI 316 Ti	1.4571, AISI 316 Ti
Weight including drive [kg]	approx. 250	approx. 370	approx. 450
Throughput [kg/hr]	max. 1,500	max. 3,000	max. 4,500
Motor power [kW]	max. 3.0	max. 5.5	max. 7.5

