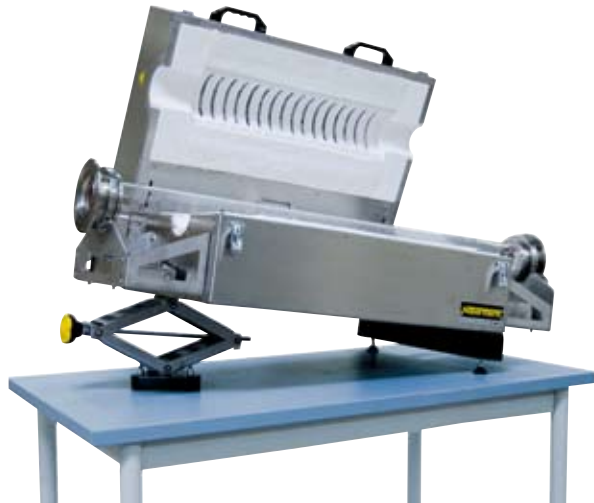


Rotary Tube Furnaces RSR



RSR 80-500/11 with tilting frame for continuous operation



RSR 80-300/11 in tiltable version with glass tube and protective gas operation

RSR 80-500/11 - RSR 120-750/11

When the retention of the granular characteristics of the material is important, e.g. when drying or calcining, this rotary tube furnace is the optimum solution. The continuous rotary operation of the furnace tube and the option of operating it under protective gas lead to excellent results.



Gas outlet with gas cooler

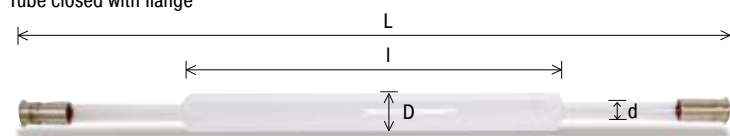


Tube closed with flange

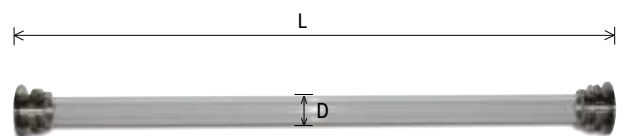
- Design like RS models, see page 18
- Tmax 1100 °C
- Type K thermocouple
- Compact unit, designed as tabletop model
- Optionally supplied with quartz glass process reactor or quartz glass tube
- Easy working tube or process reactor removal through beltless drive and hinged casing
- Infinitely variable drive (approx. 1-20 rpm)
- Good flooding of load with process gas due to inlet on one side and outlet on other side of tube
- For a description of various controllers, see page 48

Additional Equipment

- Gas-tight rotary feedthrough for connection to gas supply systems (suitable for operation in rough vacuum)
- Tilting device
- Gas supply systems with gas cooler at the outlet
- Three-zone control
- Tube adaptor for alternative operation either with glass reactor or ceramic tube



Quartz glass reactor with flange KF 40 according to DIN 28403



Quartz glass tube for through-put operation in combination with tilting device

Model	Tmax °C ³	Outer dimensions in mm			Length constant Temperature ΔT 10K	Tube dimensions in mm				Supply power/kW	Electrical connection*	Weight in kg
		W ²	D	H		L	l	D	d			
RSR 80-500/11	1100	1075	475	390	170	1140	500	76	34	3,4	single-phase	100
RSR 80-750/11	1100	1325	475	390	250	1390	750	76	34	4,6	3-phase ¹	115
RSR 120-500/11	1100	1075	525	440	170	1140	500	106	34	4,8	3-phase ¹	105
RSR 120-750/11	1100	1325	525	440	250	1390	750	106	34	6,3	3-phase	120

¹Heating only between two phases

²Without tube

*Please see page 48 for information on mains voltage

³Tmax. is reached outside the tube. Realistic working temperature inside the tube is approx. 50 °C lower.