

Horizontal tube furnaces RWK 60/300/120 – RWK 120/600/13

T max: 1200 °C or 1300°C
Max. tube diameter: 60, 85 und 120 mm
Heated length: 300, 450 und 600 mm



RWK – furnaces:

- Compact, splittable bench top furnace for horizontal operation with sep. switchgear and control unit
- Stable housing made of coated steel parts, face side made of stainless steel

Heating:

- Powerful wire heating elements made of high-grade FeCrAl-alloy for long service life and low operating costs
- Heating elements on ceramic support tubes with free heat radiation, mounted above and below the work tube, for direct and even heating and very good temperature uniformity
- Easy and very economical change of heating elements



Insulation:

- Multilayer, high-grade insulation with low thermal mass, for low outer shell temperature and low energy consumption
- Support tube anchors made of strong and long lasting fire bricks

Tube:

- Tube entry diameter up to max. possible diameter individually selectable with order
- Process tubes made of quartz glass or ceramic, very fast and easy to change

Temperature control:

- Standard controller with programmable start time, working temperature and holding time
- Controller with several programs or cascade controller with temperature control direct on the probe, control- and documentation software and interface optionally available

Accessories:

- Process tube made of quartz glass or ceramic
 - Ceramic tube made of C 610 or C 799, gas- and vacuum tight, for gas- or vacuum-flanges
 - Quartz glass tube, gas- and vacuum tight, for gas- or vacuum-flanges
 - Quartz glass tube, with taper joint and end caps, with 1 or 2 gas connection and valves
- Manual and automatic gas feed system for non-flammable protective gases
- Gas- or vacuum-flanges and individually adapted flanges with bushings, swing lid with quick-locks or flanges with glove box connection
- Vacuum pump with display or controller
- Water-reflux condenser for flanges

Technical Data:

Model	T max	Outer-dimensions	Max. tube outerdiameter	Heated length	+5K zone	Recommended tube length*	Power	Voltage
1200°	[°C]	[WxDxH - mm]	[mm]	[mm]	[mm]	[mm]	[kW]	[V]
RWK 60/300/12	1200 °C	500 x 500 x 520	≤ 60	300	100	500 / 600	3,0	230 V 1/N/PE
RWK 85/300/12	1200 °C	500 x 500 x 520	≤ 85	300	100	500 / 600	3,0	230 V 1/N/PE
RWK 120/300/12	1200 °C	500 x 500 x 520	≤120	300	100	500 / 600	5,0	400 V 3/N/PE
RWK 60/450/12	1200°C	650 x 500 x 520	≤ 60	450	150	650 / 750	3,6	230 V 1/N/PE
RWK 85/450/12	1200°C	650 x 500 x 520	≤ 85	450	150	650 / 750	3,6	230 V 1/N/PE
RWK 120/450/12	1200°C	650 x 500 x 520	≤120	450	150	650 / 750	5,0	400 V 3/N/PE
RWK 60/600/12	1200°C	800 x 500 x 520	≤ 60	600	200	800 / 900	3,6	230 V 1/N/PE
RWK 85/600/12	1200°C	800 x 500 x 520	≤ 85	600	200	800 / 900	3,6	230 V 1/N/PE
RWK 120/600/12	1200°C	800 x 500 x 520	≤ 120	600	200	800 / 900	7,5	400 V 3/N/PE

*without / with flange

Model	T max	Outer-dimensions	Max. tube outerdiameter	Heated length	+5K zone	Recommended tube length*	Power	Voltage
1300°C	[°C]	[WxDxH - mm]	[mm]	[mm]	[mm]	[mm]	[kW]	[V]
RWK 60/300/13	1300 °C	500 x 500 x 520	≤ 60	300	100	500 / 600	3,6	230 V 1/N/PE
RWK 85/300/13	1300 °C	500 x 500 x 520	≤ 85	300	100	500 / 600	3,6	230 V 1/N/PE
RWK120/300/13	1300 °C	500 x 500 x 520	≤ 120	300	100	500 / 600	5,0	400 V 3/N/PE
RWK 60/450/13	1300°C	650 x 500 x 520	≤ 60	450	150	650 / 750	3,6	230 V 1/N/PE
RWK 85/450/13	1300°C	650 x 500 x 520	≤ 85	450	150	650 / 750	3,6	230 V 1/N/PE
RWK120/450/13	1300°C	650 x 500 x 520	≤ 120	450	150	650 / 750	5,0	400 V 3/N/PE
RWK 60/600/13	1300°C	800 x 500 x 520	≤ 60	600	200	800 / 900	3,6	230 V 1/N/PE
RWK 85/600/13	1300°C	800 x 500 x 520	≤ 85	600	200	800 / 900	3,6	230 V 1/N/PE
RWK120/600/13	1300°C	800 x 500 x 520	≤ 120	600	200	800 / 900	7,5	400 V 3/N/PE

*without / with flange