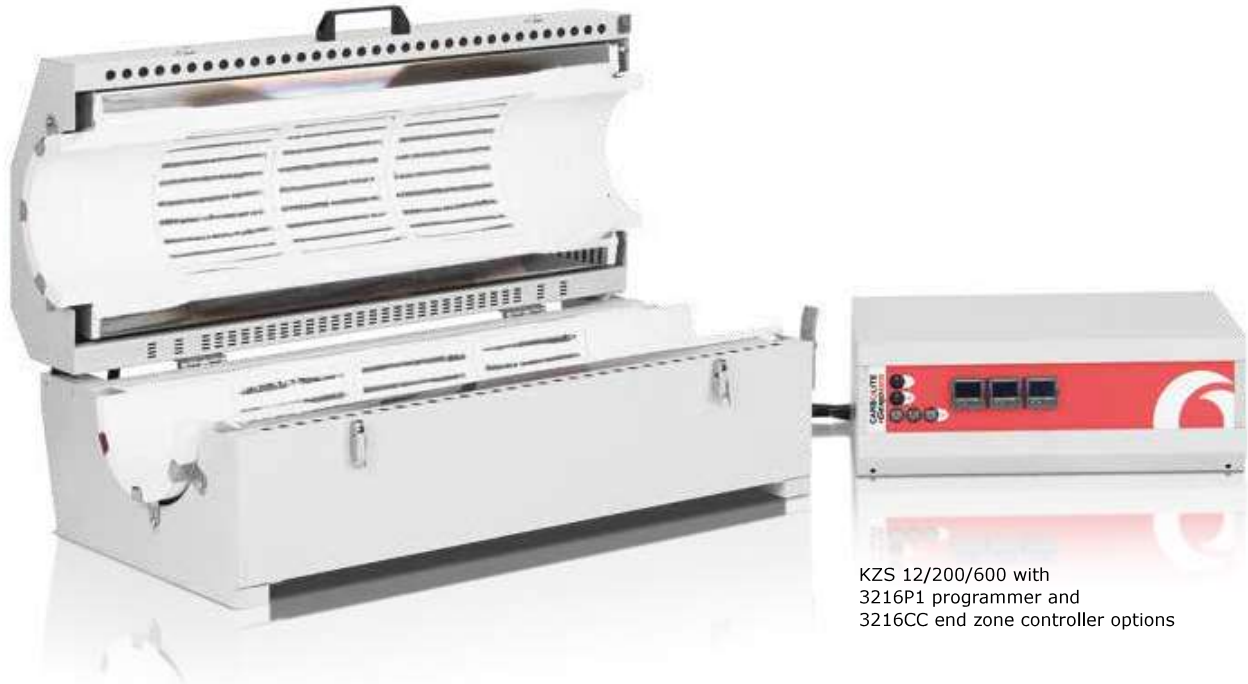


KST, KZS, KVT and KVZ – Large Split Tube Furnaces

The K range horizontal and vertical split tube furnaces have been designed for use with work tubes or reactor vessels up to 200 mm outer diameter.



KZS 12/200/600 with
3216P1 programmer and
3216CC end zone controller options

The furnace body is hinged and split into two along its length and is held closed with over-centre clamps providing easy access to reactors or work tube. These furnaces can be used for many applications such as heating reactors in pilot plant or the manufacture of plastic parts in the automotive industry.

The large diameter of the K range furnaces is perfect for heat treatment of wafers and fuel cells.

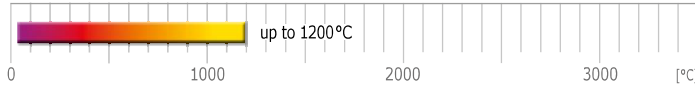
Extended length work tubes of 200 mm diameter are possible in quartz and APM.

Standard features

- 1200°C maximum operating temperature
- Single zone models fitted with Carbolite Gero 301 PID controller with single ramp to setpoint and process timer
- 3-zone models fitted with 1 x Carbolite Gero 301 PID controller and 2 x 2132 slave end zone controllers
- To suit work tubes or work pieces up to an outside diameter of 200 mm
- Heated length of 600 or 1200 mm
- Furnace splits into two halves and accommodates tubes or samples fixed into a test rig
- Wire elements in high quality vacuum formed insulation ensure fast heat up, excellent temperature uniformity and short cool down times

Options (specify these at time of order)

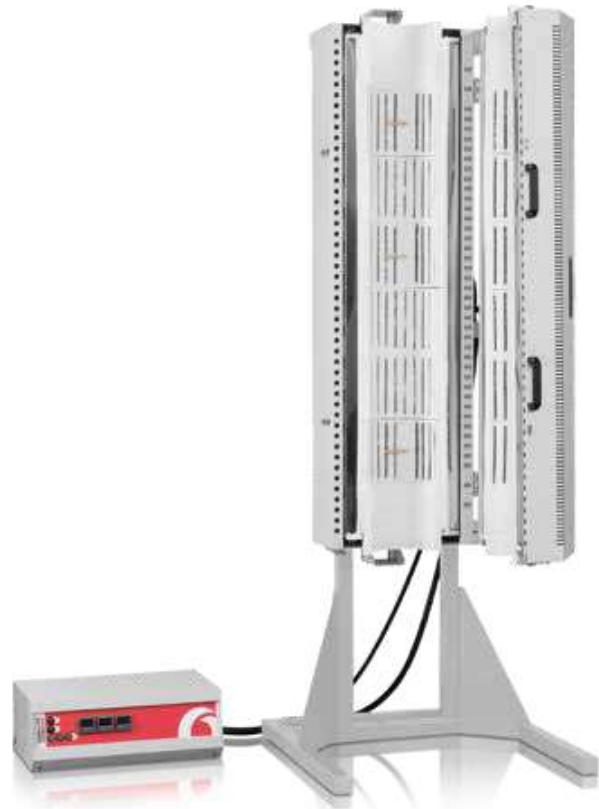
- Over-temperature control; recommended for unattended operation and to protect a valuable load
- 300 mm diameter on request
- Horizontal or vertical configurations



KST, KZS, KVT and KVZ – Large Split Tube Furnaces



KVZ 12/200/600 with 3216P1 programmer and 2 x 3216CC end zone controller options



KVZ 12/200/1200 with 3216P1 programmer and 2 x 3216CC end zone controller options

Technical data

Model	Max. temp. [°C]	Max. continuous operating temperature [°C]	Dimensions: Max. outer Ø accessory tube [mm]	Dimensions: Heated length [mm]	Dimensions: External furnace H x W x D [mm]	Recommended tube length		Dimensions: control box H x W x D [mm]	Max. power [W]
						for use in air [mm]	for use with modified atmosphere [mm]		
Single Zone Large Horizontal Split Tube Furnaces KST									
KST 12/200/600	1200	1100	200	600	450 x 1015 x 690 (closed) 740 x 1015 x 690 (open)	1100	1300	225 x 570 x 380	8000
3-Zone Large Horizontal Split Tube Furnaces KZS									
KZS 12/200/600	1200	1100	200	Left zone = 200 Centre zone = 200 Right zone = 200	450 x 1015 x 690 (closed) 740 x 1015 x 690 (open)	1100	1300	225 x 570 x 380	8000
KZS 12/200/1200	1200	1100	200	Left zone = 400 Centre zone = 400 Right zone = 400	450 x 1620 x 690 (closed) 750 x 1620 x 690 (open)	1700	1900	225 x 570 x 380	14700
Single Zone Large Vertical Split Tube Furnaces KVT									
KVT 12/200/600	1200	1100	200	600	1690 x 800 x 940	1100	1300	225 x 570 x 380	8000
3-Zone Large Vertical Split Tube Furnaces KVZ									
KVZ 12/200/600	1200	1100	200	Top zone = 200 Centre zone = 200 Bottom zone = 200	1690 x 800 x 940	1100	1300	225 x 570 x 380	8000
KVZ 12/200/1200	1200	1100	200	Top zone = 400 Centre zone = 400 Bottom zone = 400	2300 x 800 x 940	1700	1900	225 x 570 x 380	18000

i Please note:
- Heat up rate when using an optional ceramic work tube must be limited to 5°C/min