

VERTICAL SPLIT TUBE FURNACE

TR SERIES · 1150°C

ST VC-VO SERIES · UP TO 1800°C

STURDY DESIGN · BRICK INSULATION (23/26) AND FIBER INSULATION (300-400)

High Quality 24/7 Continuous-T° Tube Furnaces

STANDARD FEATURES

- CE manufactured
- Maximum operating temperature: from 1150°C up to 1800°C
- 1,2,3 or 4 independent heating zones
- Compact and lightweight
- 24/7 continuous work capability
- Heating KANTHAL AF, SiC and MoSi2
- Low thermal mass insulation
- Built with low density ceramic bricks and ceramic fiber
- Double insulation includes air chamber
- A-304 stainless steel outer case)
- Thermocouple type K,S and B

FURNACE CONTROLS

- Independent control box
- Solid state relay
- General safety switch
- General safety contactor
- **PAD Digital control**
 - PID parameters
 - Non-volatile memory
 - Microprocessor-based temperature controls
 - Alarm

CONTROL OPTIONS

- 1 program / 8 segments programmer
- 4 program / 15 segments programmer
- Programmers up to 64 segments
- Data logger and programmer communication by Ethernet/ RS232

SAFETY SHUT-OFF

- Thermocouple break shut-off
- Turns off upon door opening

ACCESSORIES

- Safety alarm Class II. Over-temperature protection
- Inlet gas entry
- Flow meter box
- and more, ask for our full assortment!



VERTICAL SPLIT TUBE FURNACE

TR SERIES · 1150°C

ST VC-VO SERIES · UP TO 1800°C

STURDY DESIGN · BRICK INSULATION (23/26) AND FIBER INSULATION (300-400)

High Quality 24/7 Continuous-T° Tube Furnaces

CHARACTERISTICS

- Reinforced construction, A-304 case
- Refractory parts engineered to resist extreme temperature changes, and specific ceramic paste types applied according to temperature and work fatigue of each part.
- Heat resistance in refractory insulation of very low thermal conductivity coefficient.
- Split and vertical operation

SPECIFICATIONS

Fully customized solutions by request
We reserve the right to change technical specifications

Code	Reference	Heating zone length mm	work tube diameter mm	Outer dimensions mm			Independent Heating Zone	Power Kw	Voltage V	Maximum Temperature °C	Maximum Temperature °C on work limited	Maximum temperature °C Continuous	Net Weigh Kgr	Termo-couple	Control Type	Heating Elements
				H	W	D										
881000012	TRO	100	100	180	350	350	1	3	220	1150	1100	900	40	K	P0415	Wire Kanthal
881001212	TROX	120	50	180	200	200	1	2	220	1150	1100	900	30	K	P0415	Wire Kanthal
881003012	TR1	300	100	400	350	350	1	3	220	1150	1100	900	60	K	P0415	Wire Kanthal
881002012	TR2	200	100	300	350	350	1	3	220	1150	1100	900	50	K	P0415	Wire Kanthal
882002012	TR2-2	200	100	300	350	350	2	4	220	1150	1100	900	50	K	P0415	Wire Kanthal
881001012	TR2-3	120	50	180	350	350	2	4	220	1150	1100	900	40	K	P0415	Wire Kanthal
882202012	TR2A	200	50	300	250	250	1	3	220	1150	1100	900	40	K	P0415	Wire Kanthal
881006012	TR3	600	100	725	350	350	1	6	220	1150	1100	900	90	K	P0415	Wire Kanthal
882006012	TR3-2	600 (300,300)	100	725	350	350	2	6	220	1150	1100	900	90	K	P0415	Wire Kanthal
883006012	TR3-3	600 (200,200,200)	100	725	350	350	3	6	220	1150	1100	900	90	K	P0415	Wire Kanthal
881004012	TR4	400	100	500	350	350	1	5	220	1150	1100	900	80	K	P0415	Wire Kanthal
882004012	TR4-2	400 (200,200)	100	500	350	350	2	5	220	1150	1100	900	80	K	P0415	Wire Kanthal
884004012	TR4-4	450 115x4	100	550	350	350	4	6	220	1150	1100	900	100	K	P0415	Wire Kanthal
881008012	TR5	800	100	950	350	350	1	7	220	1150	1100	900	110	K	P0415	Wire Kanthal
882008012	TR5-2	800(400,400)	100	950	350	350	2	7	220	1150	1100	900	110	K	P0415	Wire Kanthal
881099912	TR13	1000	100	1130	350	350	1	8	220	1150	1100	900	130	K	P0415	Wire Kanthal
882099912	TR13-2	1000 (500,500)	100	1130	350	350	2	8	220	1150	1100	900	130	K	P0415	Wire Kanthal
883099912	TR13-3	1000 (300,400,300)	100	1130	350	350	3	8	220	1150	1100	900	130	K	P0415	Wire Kanthal

VERTICAL SPLIT TUBE FURNACE

TR SERIES · 1150°C

ST VC-VO SERIES · UP TO 1800°C

STURDY DESIGN · BRICK INSULATION (23/26) AND FIBER INSULATION (300-400)

High Quality 24/7 Continuous-T° Tube Furnaces

SPECIFICATIONS

Code	Reference	Heating zone length mm	work tube diameter mm	External dimensions mm			Independent Heating Zones	Power Kw	Voltage V	Maximum Temperature °C	Maximum Temperature °C on work limited	Maximum Temperature °C Continuous	Net Weight Kgr	Termo-couple	Control Type	Heating Elements	n° of hole
				High	Wide	Deep											
300601516	ST16VO	150	60	500	350	350	1	4	220 II	1650	1600	1550	85	S	P0415 DIGITAL	Disilicio Molibdeno	1-2
300602016	ST16VO-0	200	60	550	350	350	1	6	220 II	1650	1600	1550	95	S	P0415 DIGITAL	Disilicio Molibdeno	1-2
300702516	ST16VO-1	250	70	600	400	400	1	9	220 II	1650	1600	1550	130	S	P0415 DIGITAL	Disilicio Molibdeno	1-2
300803016	ST16VO-2	300	80	650	500	500	1	10	220 III 380 III	1650	1600	1550	160	S	P0415 DIGITAL	Disilicio Molibdeno	1-2
300104516	ST16VO-3	450	100	800	500	500	1	12	220 III 380 III	1650	1600	1550	210	S	P0415 DIGITAL	Disilicio Molibdeno	1-2
300601517	ST17VO	150	60	500	350	350	1	4	220 II	1750	1700	1650	85	B	P0415 DIGITAL	Disilicio Molibdeno	1-2
300602017	ST17VO-0	200	60	550	350	350	1	6	220 II	1750	1700	1650	95	B	P0415 DIGITAL	Disilicio Molibdeno	1-2
300702517	ST17VO-1	250	70	600	400	400	1	9	220 II	1750	1700	1650	130	B	P0415 DIGITAL	Disilicio Molibdeno	1-2
300803017	ST17VO-2	300	80	650	500	500	1	10	220 III 380 III	1750	1700	1650	160	B	P0415 DIGITAL	Disilicio Molibdeno	1-2
300104517	ST17VO-3	450	100	800	500	500	1	12	220 III 380 III	1750	1700	1650	210	B	P0415 DIGITAL	Disilicio Molibdeno	1-2

Code	Reference	Heating zone length mm	work tube diameter mm	External dimensions mm			Independent Heating Zones	Power Kw	Voltage V	Maximum Temperature °C	Maximum Temperature °C on work limited	Maximum Temperature °C Continuous	Net Weight Kgr	Termo-couple	Control Type	Heating Elements	n° of hole
				High	Wide	Deep											
300601518	ST18VO	150	60	500	350	350	1	4	220 II	1800	1750	1700	85	B	P0415 DIGITAL	Disilicio Molibdeno	1-2
300602018	ST18VO-0	200	60	550	350	350	1	6	220 II	1800	1750	1700	95	B	P0415 DIGITAL	Disilicio Molibdeno	1-2
300702518	ST18VO-1	250	70	600	400	400	1	9	220 II	1800	1750	1700	130	B	P0415 DIGITAL	Disilicio Molibdeno	1-2
300803018	ST18VO-2	300	80	650	500	500	1	10	220 III 380 III	1800	1750	1700	160	B	P0415 DIGITAL	Disilicio Molibdeno	1-2
300104518	ST18VO-3	450	100	800	500	500	1	12	220 III 380 III	1800	1750	1700	210	B	P0415 DIGITAL	Disilicio Molibdeno	1-2
300601519	ST19VO	150	60	500	350	350	1	4	220 II	1900	1800	1750	85	B	P0415 DIGITAL	Disilicio Molibdeno	1-2
300602019	ST19VO-0	200	60	550	350	350	1	6	220 II	1900	1800	1750	95	B	P0415 DIGITAL	Disilicio Molibdeno	1-2
300702519	ST19VO-1	250	70	600	400	400	1	9	220 II	1900	1800	1750	130	B	P0415 DIGITAL	Disilicio Molibdeno	1-2
300803019	ST19VO-2	300	80	650	500	500	1	10	220 III 380 III	1900	1800	1750	160	B	P0415 DIGITAL	Disilicio Molibdeno	1-2
300104519	ST19VO-3	450	100	800	500	500	1	12	220 III 380 III	1900	1800	1750	210	B	P0415 DIGITAL	Disilicio Molibdeno	1-2