



FURNACES & OVENS TECHNOLOGY

HIGH TEMPERATURE MUFFLE FURNACES

COMPREHENSIVE STANDARD RANGE · 1400°C – 1900°C



SCO Tech

Auf der Heide 15
D- 37351 Dingelstädt
Federal Republic of Germany
P: +49 (36075) 439340
F: +49 (36075) 439308
<http://www.sco-tech.com>





FURNACES & OVENS TECHNOLOGY

HIGH TEMPERATURE MUFFLE FURNACES

COMPREHENSIVE RANGE · 1400°C - 1900°C

Heating elements: Kanthal and SuperKanthal

Ceramic fiber insulation 1600-1900 (300-400)

LF.JM series:

High Quality 24/7 Continuous-T° Muffle Furnaces

- Up to 1600°C Heating elements (SiC) Silicon carbide
- Vertical parallel lift door · refined design · ceramic fiber insulation

LF.XG series:

High Quality 24/7 Continuous-T° Muffle Furnaces

- From 1600°C up to 1900°C Heating elements (MoSi₂)
- Vertical parallel lift door · refined design · ceramic fiber insulation

LF.CRN series:

High Quality 24/7 Continuous-T° Muffle Furnaces

- From 1400°C - 1900°C Heating elements (SiC) and (MoSi₂)
- Large sizes
- Pantograph side door · sturdy design · ceramic fiber insulation



LF.JM series

VERTICAL PARALLEL LIFT DOOR · REFINED DESIGN · CERAMIC FIBER INSULATION (1600, 300/400)

High Quality 24/7 Continuous-T° Muffle Furnaces · 1400°C – 1500°C – 1600°C

Standard Features:

- CE manufactured
- Maximum operating temperature:
1400°C - 1500°C - 1600°C
- Rapid heating
- Compact and lightweight
- 24/7 continuous work capability
- Heated by KANTHAL SiC
- Low thermal mass insulation
- Built with low density ceramic bricks and ceramic fiber
- Double insulation includes air chamber
- Outer case in painted metal sheet (inox optional)
- Rear ventilation via ceramic chimney
- Ceramic tray included
- Thermocouple type S
- Spare parts easily replaceable by end user

Furnace Controls

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

Control Options:

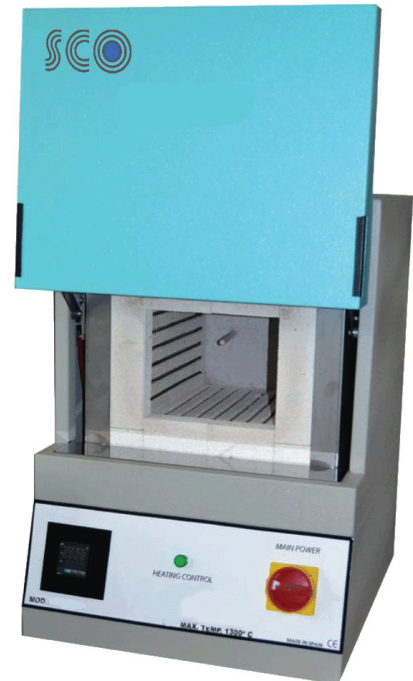
- 1 program / 8 segments programmer
- 4 program / 15 segments programmer
- Programmers up to 64 segments
- Data logger and programmer communication by Ethernet

Safety Shut-Off:

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

Accessories:

- Interchangeable temperature-uniform trays with rim
- Refractory ceramic tray
- Incoloy stainless steel tray
- Smoke chimney
- Forced smoke chimney
- Safety alarm Class II. Over-temperature protection
- Inlet gas entry
- Flow meter box
- and more, ask for our full assortment!



LF.JM SERIES

VERTICAL PARALLEL LIFT DOOR · REFINED DESIGN · CERAMIC FIBER INSULATION (1600, 300/400)

High Quality 24/7 Continuous-T° Muffle Furnaces · 1400°C – 1500°C – 1600°C

Characteristics:

- Modern design metal case with chrome-phosphatizing base protection and external finish with heat-resistant metal paint.
- 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.
- Door system adjusted on the furnace frame by pressure, allowing for complete sealing. Electrically and thermally insulated door handle.

Accessories:

- **Extraction Chimney:**
Self-extraction design to eliminate smoke in processes that produce smoke in a considerable amount or when smoke extraction is advisable due to the nature of the process. Chimney outlet connection to a smoke bell or to the exterior by end user.
- **Forced air extraction chimney:**
Specially designed for a forced self-extraction to evacuate smoke fast
- **Bottom trays:**
Interchangeable, temperature uniform, with rim to protect against spilling, fusion or adherence of materials.

Specifications:

Model		LF.JM3/14	LF.JM6/14	LF.JM8/14	LF.JM10/14	LF.JM19/14	LF.JM30/14	LF.JM38/14
Internal dimensions	High	120	150	170	200	250	250	250
	Wide	120	150	170	200	250	300	300
	Deep	250	250	250	250	300	400	500
External dimensions	High	580	660	680	710	760	810	810
	Wide	520	550	570	600	690	800	800
	Deep	675	675	675	675	745	875	975
Uniform heating area ± 5°C	High	80	90	100	120	150	150	150
	Wide	80	90	100	120	150	170	170
	Deep	100	100	100	100	180	200	250
Volume liters		3.6	6	8	10	19	30	38
Max. kW		6	8	8	10	12	14	15
Holding Power kW		25	3	35	4	5	6	6
Voltage V		220 II	220 II	220 II	220 II	220 II	220 II 380 III	220 II 380 III
Maximum temperature °C		1450°C	1450°C	1450°C	1450°C	1450°C	1450°C	1450°C
Maximum temperature °C on work limited		1400°C	1400°C	1400°C	1400°C	1400°C	1400°C	1400°C
Maximum temperature °C continuous		1350°C	1350°C	1350°C	1350°C	1350°C	1350°C	1350°C
Thermocouple		S	S	S	S	S	S	S
Net Weight Kg		90	100	105	120	140	160	175
Control type		P0415 Digital	P0415 Digital	P0415 Digital	P0415 Digital	P0415 Digital	P0415 Digital	P0415 Digital
Heating elements		Silicon Carbide	Silicon Carbide	Silicon Carbide	Silicon Carbide	Silicon Carbide	Silicon Carbide	Silicon Carbide
Heat up time to 100°C below max. Temp. Minutes		35	35	35	40	40	45	45
Order No.		270000314	270000614	270000814	270001014	270001914	270003014	270003814

LF.JM SERIES

Muffle Furnaces LF.JM · 1500°C

Muffle Furnaces LF.JM · 1500°C

Model		LF.JM3/15	LF.JM6/15	LF.JM8/15	LF.JM10/15	LF.JM19/15	LF.JM30/15	LF.JM38/15
Internal dimensions	High	120	150	170	200	250	250	250
	Wide	120	150	170	200	250	300	300
	Deep	250	250	250	250	300	400	500
External dimensions	High	580	660	680	710	760	810	810
	Wide	520	550	570	600	690	800	800
	Deep	675	675	675	675	745	875	975
Uniform heating area ± 5°C	High	80	90	100	120	150	150	150
	Wide	80	90	100	120	150	170	170
	Deep	100	100	100	100	180	200	250
Volume liters		3.6	6	8	10	19	30	38
Max. kW		6	8	8	10	12	14	15
Holding Power kW		25	3	35	4	5	6	6
Voltage V		220 II	220 II	220 II	220 II	220 II	220 II 380 III	220 II 380 III
Maximum temperature °C		1500°C	1500°C	1500°C	1500°C	1500°C	1500°C	1500°C
Maximum temperature °C on work limited		1450°C	1450°C	1450°C	1450°C	1450°C	1450°C	1450°C
Maximum temperature °C continuous		1400°C	1400°C	1400°C	1400°C	1400°C	1400°C	1400°C
Thermocouple		S	S	S	S	S	S	S
Net Weight Kg		90	100	105	120	140	160	175
Control type		P0415 Digital	P0415 Digital	P0415 Digital	P0415 Digital	P0415 Digital	P0415 Digital	P0415 Digital
Heating elements		Silicon Carbide	Silicon Carbide	Silicon Carbide	Silicon Carbide	Silicon Carbide	Silicon Carbide	Silicon Carbide
Heat up time to 100°C below max. Temp. Minutes		45	45	50	50	50	55	60
Order No.		270000315	270000615	270000815	270001015	270001915	270003015	270003815

Muffle Furnaces LF.JM · 1600°C

Model		LF.JM3/16	LF.JM6/16	LF.JM8/16	LF.JM10/16	LF.JM19/16	LF.JM30/16	LF.JM38/16
Internal dimensions	High	120	150	170	200	250	250	250
	Wide	120	150	170	200	250	300	300
	Deep	250	250	250	250	300	400	500
External dimensions	High	580	660	680	710	760	810	810
	Wide	520	550	570	600	690	800	800
	Deep	675	675	675	675	745	875	975
Uniform heating area ± 5°C	High	80	90	100	120	150	150	150
	Wide	80	90	100	120	150	170	170
	Deep	100	100	100	100	180	200	250
Volume liters		3.6	6	8	10	19	30	38
Max. kW		6	8	8	10	12	14	15
Holding Power kW		25	3	35	4	5	6	6
Voltage V		220 II	220 II	220 II	220 II	220 II	220 II 380 III	220 II 380 III
Maximum temperature °C		1600°C	1600°C	1600°C	1600°C	1600°C	1600°C	1600°C
Maximum temperature °C on work limited		1550°C	1550°C	1550°C	1550°C	1550°C	1550°C	1550°C

LF.XG series

VERTICAL PARALLEL LIFT DOOR · REFINED DESIGN · CERAMIC FIBER INSULATION (1900, 300/400)

High Quality 24/7 Continuous-T° Muffle Furnaces · From 1600°C up to 1900°C

Standard Features:

- CE manufactured
- Maximum operating temperature:
1600°C - 1700°C - 1800°C - 1900°C
- Rapid heating
- Compact and lightweight
- 24/7 continuous work capability
- Heated by KANTHAL 1900 (MoSi₂)
- Low thermal mass insulation
- Built with low density ceramic bricks and ceramic fiber
- Double insulation includes air chamber
- Outer case in painted metal sheet (inox optional)
- Rear ventilation via ceramic chimney
- Ceramic tray included
- Thermocouple type S and B
- Spare parts easily replaced by end user

Furnace Controls

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

Control Options:

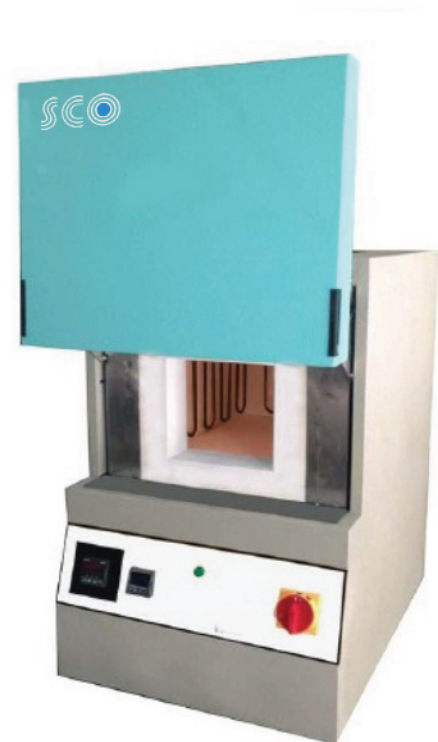
- 1 program / 8 segments programmer
- 4 program / 15 segments programmer
- Programmers up to 64 segments
- Data logger and programmer communication by Ethernet/RS232

Safety Shut-Off:

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

Accessories:

- Interchangeable temperature-uniform trays with rim
- Refractory ceramic tray
- Incoloy stainless steel tray
- Smoke chimney
- Forced smoke chimney
- Safety alarm Class II. Over-temperature protection
- Inlet gas entry
- Flow meter box
- and more, ask for our full assortment!



LF.XG series

VERTICAL PARALLEL LIFT DOOR · REFINED DESIGN · CERAMIC FIBER INSULATION (1900, 300/400)

High Quality 24/7 Continuous-T° Muffle Furnaces · From 1600°C up to 1900°C

Characteristics:

- Modern design metal case with chrome-phosphatizing base protection and external finish with heat-resistant metal paint.
- 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.
- Door system adjusted on the furnace frame by pressure, allowing for complete sealing. Electrically and thermally insulated door handle.

Accessories:

- **Extraction Chimney:**
Self-extraction design to eliminate smoke in processes that produce smoke in a considerable amount or when smoke extraction is advisable due to the nature of the process. Chimney outlet connection to a smoke bell or to the exterior by end user.
- **Forced air extraction chimney:**
Specially designed for a forced self-extraction to evacuate smoke fast
- **Bottom trays:**
Interchangeable, temperature uniform, with rim to protect against spilling, fusion or adherence of materials.

Specifications:

Model		LF.XG3-16	LF.XG4-16	LF.XG6-16	LF.XG7-16	LF.XG8-16	LF.XG9-16	LF.XG12-16	LF.XG15-16	LF.XG16-16
Internal dimensions	High	150	150	150	150	200	150	200	250	200
	Wide	150	150	200	150	200	200	200	250	200
	Deep	150	200	200	300	200	300	300	250	400
External dimensions	High	750	750	750	750	800	800	800	850	800
	Wide	500	500	550	500	600	550	600	650	600
	Deep	600	660	660	760	700	760	800	750	850
Uniform heating area ± 5°C	High	80	80	80	80	100	80	100	150	90
	Wide	80	80	90	80	100	100	100	150	90
	Deep	80	90	90	150	100	150	150	150	250
Volume liters		3.4	4.5	6	7	8	9	12	15	16
Max. kW		4	5	6	8	8	8	9	10	10
Holding Power kW		2	3	3	4	4	4	5	6	6
Voltage V		220 II	220 II	220 II	220 II	220 II	220 II	220 II	220 II	220 II
Maximum temperature °C		1650°C	1650°C	1650°C	1650°C	1650°C	1650°C	1650°C	1650°C	1650°C
Maximum temperature limited work		1600°C	1600°C	1600°C	1600°C	1600°C	1600°C	1600°C	1600°C	1600°C
Maximum temperature °C continuous		1550°C	1550°C	1550°C	1550°C	1550°C	1550°C	1550°C	1550°C	1550°C
Thermocouple		S	S	S	S	S	S	S	S	S
Net Weight Kg		80	80	90	90	100	100	110	130	150
Control type		P0415 Digital	P0415 Digital	P0415 Digital	P0415 Digital	P0415 Digital	P0415 Digital	P0415 Digital	P0415 Digital	P0415 Digital
Heating elements		Molibdenum Discilice	Molibdenum Discilice	Molibdenum Discilice	Molibdenum Discilice	Molibdenum Discilice	Molibdenum Discilice	Molibdenum Discilice	Molibdenum Discilice	Molibdenum Discilice
Heat up time to 100°C below max. Temp. Minutes		35	40	40	45	40	45	45	50	55
Order No.		280000316	280000416	280000616	280000716	280000816	280000916	280001216	280001516	280001616

LF.XG SERIES

Muffle Furnaces LF.XG · 1700°C

Model		LF.XG3-17	LF.XG4-17	LF.XG6-17	LF.XG7-17	LF.XG8-17	LF.XG9-17	LF.XG12-17	LF.XG15-17	LF.XG16-17
Internal dimensions	High	150	150	150	150	200	150	200	250	200
	Wide	150	150	200	150	200	200	200	250	200
	Deep	150	200	200	300	200	300	300	250	400
External dimensions	High	750	750	750	750	800	800	800	850	800
	Wide	500	500	550	500	600	550	600	650	600
	Deep	600	660	660	760	700	760	800	750	850
Uniform heating area ± 5°C	High	80	80	80	80	100	80	100	150	90
	Wide	80	80	90	80	100	100	100	150	90
	Deep	80	90	90	150	100	150	150	150	250
Volume liters		3.4	4.5	6	7	8	9	12	15	16
Max. kW		4	5	6	8	8	8	9	10	10
Holding Power kW		2	3	3	4	4	4	5	6	6
Voltage V		220 II	220 II	220 II	220 II	220 II	220 II	220 II	220 II	220 II
Maximum temperature °C		1750°C	1750°C	1750°C	1750°C	1750°C	1750°C	1750°C	1750°C	1750°C
Maximum temperature °C on work limited		1700°C	1700°C	1700°C	1700°C	1700°C	1700°C	1700°C	1700°C	1700°C
Maximum temperature °C continuous		1650°C	1650°C	1650°C	1650°C	1650°C	1650°C	1650°C	1650°C	1650°C
Thermocouple		B	B	B	B	B	B	B	B	B
Net Weight Kgr.		80	80	90	90	100	100	110	130	150
Control type		P0415 Digital	P0415 Digital	P0415 Digital	P0415 Digital	P0415 Digital	P0415 Digital	P0415 Digital	P0415 Digital	P0415 Digital
Heating elements		Molibdenum Discilice	Molibdenum Discilice	Molibdenum Discilice	Molibdenum Discilice	Molibdenum Discilice	Molibdenum Discilice	Molibdenum Discilice	Molibdenum Discilice	Molibdenum Discilice
Heat up time to 100°C below max. Temp. Minutes		40	45	45	45	45	50	50	55	45
Order No.		280000317	280000417	280000617	280000717	280000817	280000917	280001217	280001517	280001617

Muffle Furnaces LF.XG · 1800°C

Model		LF.XG3-18	LF.XG4-18	LF.XG6-18	LF.XG7-18	LF.XG8-18	LF.XG9-18	LF.XG12-18	LF.XG15-18	LF.XG16-18
Internal dimensions	High	150	150	150	150	200	150	200	250	200
	Wide	150	150	200	150	200	200	200	250	200
	Deep	150	200	200	300	200	300	300	250	400
External dimensions	High	750	750	750	750	800	800	800	850	800
	Wide	500	500	550	500	600	550	600	650	600
	Deep	600	660	660	760	700	760	800	750	850
Uniform heating area ± 5°C	High	80	80	80	80	100	80	100	150	90
	Wide	80	80	90	80	100	100	100	150	90
	Deep	80	90	90	150	100	150	150	150	250
Volume liters		3.4	4.5	6	7	8	9	12	15	16
Max. kW		4	5	6	8	8	8	9	10	10
Holding Power kW		2	3	3	4	4	4	5	6	6
Voltage V		220 II	220 II	220 II	220 II	220 II	220 II	220 II	220 II	220 II
Maximum temperature °C		1800°C	1800°C	1800°C	1800°C	1800°C	1800°C	1800°C	1800°C	1800°C
Maximum temperature °C on work limited		1750°C	1750°C	1750°C	1750°C	1750°C	1750°C	1750°C	1750°C	1750°C
Maximum temperature °C continuous		1700°C	1700°C	1700°C	1700°C	1700°C	1700°C	1700°C	1700°C	1700°C
Thermocouple		B	B	B	B	B	B	B	B	B
Net Weight Kg.		80	80	90	90	100	100	110	130	150
Control type		P0415 Digital	P0415 Digital	P0415 Digital	P0415 Digital	P0415 Digital	P0415 Digital	P0415 Digital	P0415 Digital	P0415 Digital
Heating elements		Molibdenum Discilice	Molibdenum Discilice	Molibdenum Discilice	Molibdenum Discilice	Molibdenum Discilice	Molibdenum Discilice	Molibdenum Discilice	Molibdenum Discilice	Molibdenum Discilice
Heat up time to 100°C below max. Temp. Minutes		45	45	45	45	55	55	55	55	50
Order No.		280000318	280000418	280000618	280000718	280000818	280000918	280001218	280001518	280001618

LF.XG SERIES

Muffle Furnaces LF.XG · 1900°C

Model		LF.XG3-19	LF.XG4-19	LF.XG6-19	LF.XG7-19	LF.XG8-19	LF.XG9-19	LF.XG12-19	LF.XG15-19	LF.XG16-19
Internal dimensions	High	150	150	150	150	200	150	200	250	200
	Wide	150	150	200	150	200	200	200	250	200
	Deep	150	200	200	300	200	300	300	250	400
External dimensions	High	750	750	750	750	800	800	800	850	800
	Wide	500	500	550	500	600	550	600	650	600
	Deep	600	660	660	760	700	760	800	750	850
Uniform heating area ± 5°C	High	80	80	80	80	100	80	100	150	90
	Wide	80	80	90	80	100	100	100	150	90
	Deep	80	90	90	150	100	150	150	150	250
Volume liters		3.4	4.5	6	7	8	9	12	15	16
Max. Kw.		4	5	6	8	8	8	9	10	10
Holding Power kW		2	3	3	4	4	4	5	6	6
Voltage V		220 II	220 II	220 II	220 II	220 II	220 II	220 II	220 II	220 II
Maximum temperature °C		1900°C	1900°C	1900°C	1900°C	1900°C	1900°C	1900°C	1900°C	1900°C
Maximum temperature °C on work limited		1800°C	1800°C	1800°C	1800°C	1800°C	1800°C	1800°C	1800°C	1800°C
Maximum temperature °C continuous		1750°C	1750°C	1750°C	1750°C	1750°C	1750°C	1750°C	1750°C	1750°C
Thermocouple		B	B	B	B	B	B	B	B	B
Net Weight Kg		80	80	90	90	100	100	110	130	150
Control type		P0415 Digital	P0415 Digital	P0415 Digital	P0415 Digital	P0415 Digital	P0415 Digital	P0415 Digital	P0415 Digital	P0415 Digital
Heating elements		Molibdenum Discilice	Molibdenum Discilice	Molibdenum Discilice	Molibdenum Discilice	Molibdenum Discilice	Molibdenum Discilice	Molibdenum Discilice	Molibdenum Discilice	Molibdenum Discilice
Heat up time to 100°C below max. Temp. Minutes		55	55	55	55	60	60	60	60	65
Order No.		280000319	280000419	280000619	280000719	280000819	280000919	280001219	280001519	280001619





LF.CRN series

VERTICAL PANTOGRAPH SIDE DOOR · STURDY DESIGN · CERAMIC FIBER INSULATION (1900, 300/400)

High Quality 24/7 Continuous-T° Muffle Furnaces · from 1400°C up to 1900°C

Standard Features:

- CE manufactured
- Maximum operating temperature: 1400°C up to 1900°C
- Compact and lightweight
- 24/7 continuous work capability
- Heated by (SiC) and (MoSi2)
- Low thermal mass insulation
- Built with low density ceramic bricks and ceramic fiber
- Double insulation includes air chamber
- Outer case in painted metal sheet (inox optional)
- Rear ventilation via ceramic chimney
- Ceramic tray included
- Thermocouple type S and B
- Spare parts easily replaced by end user

Furnace Controls

- Lower front control panel
- 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:

- Interchangeable temperature-uniform trays with rim
- Refractory ceramic tray
- Incoloy stainless steel tray
- Smoke chimney
- Forced smoke chimney
- Safety alarm Class II. Over-temperature protection
- Inlet gas entry
- Flow meter box
- and more, ask for our full assortment!



LF.CRN series

VERTICAL PANTOGRAPH SIDE DOOR · STURDY DESIGN · CERAMIC FIBER INSULATION (1900, 300/400)

High Quality 24/7 Continuous-T° Muffle Furnaces · from 1400°C up to 1900°C

Characteristics:

- Reinforced construction, metal case with chrome-phosphatizing base protection and external finish with heat-resistant metal paint.
- 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.
- Pantograph side door allows for a complete clear opening, protecting workers from ceramic block heat radiation. Pressure-adjusted door system, allowing for complete sealing. Half-opened door mode for a quick smoke evacuation. Electrically and thermally isolated door handle.

Accessories:

- Extraction Chimney:**
Self-extraction design to eliminate smoke in processes that produce smoke in a considerable amount or when smoke extraction is advisable due to the nature of the process. Chimney outlet connection to a smoke bell or to the exterior by end user.
- Forced air extraction chimney:**
Specially designed for a forced self-extraction to evacuate smoke fast at resistance in refractory insulation of very low thermal conductivity coefficient.
- Bottom trays:**
Interchangeable, temperature uniform, with rim to protect against spilling, fusion or adherence of materials.

Specifications:

HIGH TEMPERATURE MUFFLE FURNACES

Max. Temperature 1300°C - 1400°C - 1550°C

with Silicon Carbide heating element and Digital Controller P0104

Article No.	Model	Internal Dimensions mm			External Dimensions mm			Volume Liters	Power kW	Voltage V	Maximum Temperature °C	T _{max} limited work °C	T _{max} Continuous °C	Net Weight kg	Termo-couple	Control Type Digital	Heating Element Type
		High	Width	Deep	High	Width	Deep										
710000213	LF.CR-32	100	140	154	600	550	600	2	4	220	1350	1300	1250	70	S	P0104	Silicon Carbide
710000713	LF.CR-35	140	170	300	700	700	800	7	6	220	1375	1350	1300	80	S	P0104	Silicon Carbide
710000714	LF.CR-48	140	170	300	700	700	800	7	7	220	1450	1400	1350	90	S	P0104	Silicon Carbide
710000514	LF.CRN-48	120	175	250	650	950	700	5	6	220	1450	1400	1350	120	S	P0104	Silicon Carbide
710000614	LF.CRN-48-1	250	250	250	750	1100	800	16	10	220 220III 380III	1450	1400	1350	170	S	P0104	Silicon Carbide
710000515	LF.CRN-58	100	130	250	650	950	700	3	7	220	1525	1500	1450	120	S	P0104	Silicon Carbide
710001615	LF.CRN-58-1	250	250	250	750	1100	800	16	10	220 220III 380III	1550	1500	1450	170	S	P0104	Silicon Carbide



LF.CRN series

VERTICAL PANTOGRAPH SIDE DOOR · STURDY DESIGN · CERAMIC FIBER INSULATION (1900, 300/400)

High Quality 24/7 Continuous-T° Muffle Furnaces · from 1400°C up to 1900°C

HIGH TEMPERATURE MUFFLE FURNACES

Max. Temperature 1400°C - 1500°C - 1600°C with Molibdenum Disilice heating element

Article No.	Model	Internal Dimensions mm			External Dimensions mm			Volume Liters	Power kW	Voltage V	Maximum Temperature ° C	T _{max} limited work ° C	T _{max} Continuous ° C	Net Weight kg	Termo-couple	Control Type Digital	Heating Elements Type
		High	Width	Deep	High	Width	Deep										
700004214	LF.CRN-48-2	350	350	350	2000	1000	1000	42	25	380 III	1450	1400	1350	400	S	P0415	Molibdenum Disilice
700004215	LF.CRN-58-2	350	350	350	2000	1000	1000	42	25	380 III	1550	1500	1450	400	S	P0415	Molibdenum Disilice
700000316	LF.CRN-67	100	130	250	650	950	700	3	7	220 220III 380III	1650	1600	1550	150	S	P0415	Molibdenum Disilice
700001616	LF.CRN-67-1	250	250	250	1200	700	700	16	10	220 220III 380III	1650	1600	1550	180	S	P0415	Molibdenum Disilice
700002716	LF.CRN-671A	300	300	300	1200	800	800	27	18	380 III	1650	1600	1550	250	S	P0415	Molibdenum Disilice
700004216	LF.CRN-67-2	350	350	350	2000	1000	1000	43	20	380 III	1600	1550	1500	400	S	P0415	Molibdenum Disilice
700006416	LF.CRN67-3	400	400	400	2100	1000	1000	64	20	380 III	1600	1550	1500	450	S	P0415	Molibdenum Disilice
700009116	LF.CRN67-4	450	450	450	2150	1000	1000	91	30	380 III	1600	1550	1500 - 1450	600	S	P0415	Molibdenum Disilice
700016616	LF.CRN67-5	550	550	550	2200	1200	1250	166	35	380 III	1600	1550	1500 - 1450	800	S	P0415	Molibdenum Disilice
700000416	LF.HS16	150	150	150	650	1000	650	3.3	5	220	1650	1600	1550	130	S	P0415	Molibdenum Disilice
700000716	LF.HS16A	150	150	300	650	1000	800	6.7	7	220	1650	1600	1550	160	S	P0415	Molibdenum Disilice
700001216	LF.HS16B	150	200	400	650	1000	850	9	12	220	1650	1600	1550	180	S	P0415	Molibdenum Disilice
700001616	LF.HS-16-1	150	150	200	650	1000	650	5	4'5	220	1650	1600	1550	150	S	P0415	Molibdenum Disilice

HIGH TEMPERATURE MUFFLE FURNACES

Max. Temperature 1800°C with Molibdenum Disilice heating element

Article No.	Model	Internal Dimensions mm			External Dimensions mm			Volume Liters	Power kW	Voltage V	Maximum Temperature ° C	T _{max} limited work ° C	T _{max} Continuous ° C	Net Weight kg	Termo-couple	Control Type Digital	Heating Elements Type
		High	Width	Deep	High	Width	Deep										
700000417	LF.HS-17	150	150	150	650	1000	650	3	5	220	1750	1700	1650	160	B	P0415	Molibdenum Disilice
700000717	LF.HS-17A	150	150	300	650	1000	850	6.7	7	220	1750	1700	1650	180	B	P0415	Molibdenum Disilice
700001617	LF.HS-17-1	250	250	250	1100	700	700	16	10	220 220III 380III	1750	1700	1650	200	B	P0415	Molibdenum Disilice
700000418	LF.HS-18	150	150	150	650	1000	650	3	5	220	1800	1750	1700	160	B	P0415	Molibdenum Disilice
700001618	LF.HS-18-1	250	250	250	1100	700	700	16	10	220 220III 380III	1800	1750	1700	200	B	P0415	Molibdenum Disilice
700004218	LF.HS-18-2	350	350	350	2000	1000	1000	42	20	380 III	1800	1750	1700	400	B	P0415	Molibdenum Disilice
700006418	LF.HS-18-3	400	400	400	2100	1000	1000	64	30	380 III	1800	1750	1700	600	B	P0415	Molibdenum Disilice
700009118	LF.HS-18-4	450	450	450	2150	1000	1200	91	40	380 III	1800	1750	1700	800	B	P0415	Molibdenum Disilice
700016618	LF.HS-18-5	550	550	550	2200	1200	1250	160	50	380 III	1800	1750	1700	850	B	P0415	Molibdenum Disilice
700000419	LF.HS-19	150	150	150	650	1000	650	3	6	220	1900	1800	1750	160	B	P0415	Molibdenum Disilice
700001619	LF.HS-19-1	250	250	250	1100	700	700	16	11	220 220III 380III	1900	1800	1750	200	B	P0415	Molibdenum Disilice

SCO Tech

Auf der Heide 15
D- 37351 Dingelstädt
Federal Republic of Germany
P: +49 (36075) 439340
F: +49 (36075) 439308
<http://www.sco-tech.com>

