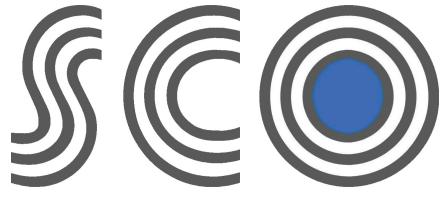


Lab World



GERMANY
TECH



FURNACES & OVENS TECHNOLOGY

LABORATORY DIVISION

Flex Muffel Furnace

LF.XB -series

1150°C – 1260°C

SIDE SWING DOOR • BRICK INSULATION (23/26)

CE

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LF.XB -series

SIDE SWING DOOR • BRICK INSULATION (23/26)

Flex Muffle Furnaces • 1150°C – 1260°C

Standard Features:

- CE manufactured · Affordable basic line
- Maximum temperatures 1150°C and 1260°C
- Compact and lightweight
- Designed for occasional intermittent work
- 2 heating sides with KANTHAL AF
- Double low thermal mass insulation
- Built with low density ceramic 23/26 bricks and ceramic fiber 2"
- Outer case in painted metal sheet (inox optional)
- Ceramic chimney · Thermocouple type K, S
- Spare parts easily replaceable by end user



Chamber Options

- Fiber insulation by request

Furnace Controls

- Lower front control panel or lateral control panel
- Solid state relay
- Ramp Progammer 1 program / 8 segments
- PID parameters
- Non-volatile memory
- Microprocessor-based temperature controls
- Alarm



Digital Control Options

- 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 openin

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.XB -series

SIDE SWING DOOR • BRICK INSULATION (23/26)
Flex Muffle Furnaces • 1150°C – 1260°C



CHARACTERISTICS

- Metal case with chrome-phosphatizing base protection and external finish with heat-resistant metal paint.
- Easy loading drop down or side swing door closes hermetically, brick on brick.

CONTROL OPTIONS

- "RAMP PROGRAMMER CONTROL": Allows for automatic temperature control and adjustment through an automatic digital adjusting pyrometer, such that temperature and temperature rise speed and inertia can be monitored at any time.

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

FLEX MUFFEL FURNACES

*Fully customized solutions by request
Manufactured according to the CEE standards BS EN 61010-1-2001*

Article No.	Model	Internal Dimensions mm			External Dimensions mm			Volume Liter	Power kW	Voltage	Maximum Temperature	T_{max} limited work	Net Weight	Termo-couple	Control Type	Heating Elements
		High	Width	Deep	High	Width	Deep									
								Liters	kW	V	°C	°C	kg	P0104		

Temperature range up to 1150°C

850001312	LF.XB-1311	250	230	230	535	480	460	13	25	220	1150	1100	50	K	Digital	WireKanthal
850004312	LF.XB-4311	365	345	345	640	595	635	43	35	220	1150	1100	60	K	Digital	WireKanthal
850005512	LF.XB-5511	480	345	345	750	595	635	55	4	220	1150	1100	70	K	Digital	WireKanthal
850007612	LF.XB-7611	480	400	400	750	650	690	76	7	220	1150	1100	80	K	Digital	WireKanthal
850012012	LF.XB-12011	595	450	450	1100	700	850	120	10	220	1150	1100	100	K	Digital	WireKanthal
850015012	LF.XB-15011	600	500	500	1150	750	900	150	11	220	1150	1100	120	K	Digital	WireKanthal
850020012	LF.XB-20011	700	500	550	1200	800	900	200	14	220	1150	1100	170	K	Digital	WireKanthal
850099912	LF.XB-100011	1000	1000	1000	1600	1600	1700	1000	25	220 III380 III	1150	1100	1000	K	Digital	WireKanthal

Temperature range up to 1260°C

850001313	LF.XB-1312	250	230	230	535	480	460	13	25	220	1260	1200	50	S	Digital	WireKanthal
850004313	LF.XB-4312	365	345	345	640	595	635	43	35	220	1260	1200	60	S	Digital	WireKanthal
850005513	LF.XB-5512	480	345	345	750	595	635	55	4	220	1260	1200	70	S	Digital	WireKanthal
850007613	LF.XB-7612	480	400	400	750	650	690	76	7	220	1260	1200	80	S	Digital	WireKanthal
850012013	LF.XB-12012	595	450	450	1100	700	850	120	10	220	1260	1200	100	S	Digital	WireKanthal
850015013	LF.XB-15012	600	500	500	1150	750	900	150	11	220	1260	1200	120	S	Digital	WireKanthal
850020013	LF.XB-20012	700	500	550	1200	800	900	200	14	220	1260	1200	170	S	Digital	WireKanthal
850099913	LF.XB-100012	1000	1000	1000	1600	1600	1700	1000	25	220 III380 III	1260	1200	1000	S	Digital	WireKanthal

