FALC

LABORATORY
EQUIPMENT

Furnaces

2022
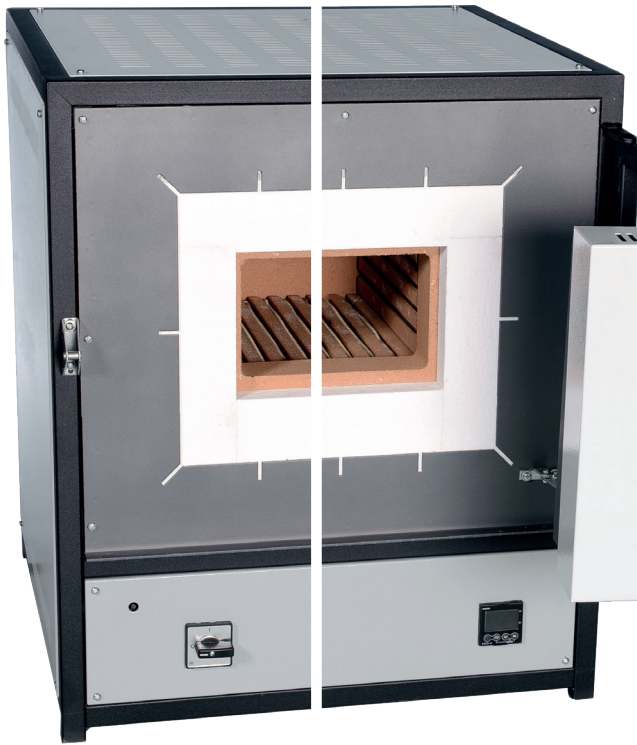
FURNACES

FURNACES
Muffle laboratory furnaces

Designed for testing of materials, heating treatment and firing of ceramic and porcelain and porcelain stoneware samples. Ideal for medical laboratories, medical institutes, colleges, art pottery and industrial laboratories

Digital timer: possibility to set temperature, speed of heating and time of keeping
Maximum temperature: 1100°C.
Microprocessor temperature controller.
Rapid heating times thanks to the low thermal mass

Turns off when the door is opened

Vacuum chamber in ceramic fibre with high thermal efficiency.
Built-in heating elements on all four sides, integrated into the fibre.
Heat-insulating materials of high quality.
Ceramic bottom plates

Dati tecnici		FM3	FM 8,2	FM 13	FM22	FM39
Volume	lt	3	8,2	13	22	39
Heating power	kW	1,7	1,8	1,8	3	6
Power supply	Volt	230	230	230	230	400
Frequency	Hz	50	50	50	50	50
Number of phases	-	1	1	1	1	3
Steady operating temperature	°C	50-1100	50-1100	50-1100	50-1100	50-1100
Work chamber material	-	Fibre Muffle	Fibre Muffle	Fibre Muffle	Fibre Muffle	Fibre Muffle
Maximum heating time (without load)	Min.	35	50	50	50	50
Precision	°C	± 1	± 1	± 1	± 1	± 1
Uniformity	°C	± 10	± 10	± 10	± 10	± 10
Chamber dimensions LxWxH	mm	120x175x100	200x300x133	230x350x180	260x480x145	315x495x240
External dimension LxWxH	mm	345x500x430	440x620x510	500x670x550	600x890x620	650x900x740
Weight	kg	17	28	38	58	75
Code		720.9000.03	720.9000.08	720.9000.13	720.9000.22	720.9000.39

V/HZ 220/240 and 400-50/60	SAFETY CLASS 0	PROTECTION CLASS IP 42

ACCESSORIES

CONTROLLER
Large 5-digit display with current value and set value.
5 programs up to 8 segments
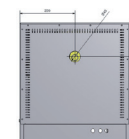**Code 720.9003.01**

TIMER
Delayed furnace start
Code 720.9003.03

CHIMNEY
with fan for aging process
Code 720.9003.05

OVERHEATING SAFETY DEVICE
Furnace safety device to avoid exceeding the maximum temperature (not adjustable).
Safety class 1
Code 720.9003.02

BUZZER
Audible signal that warns the operator that the process terminated
Code 720.9003.04

HOLE
(ceramic tube) on the back
Code 720.9003.06

PC CONNECTION AND SOFTWARE
Code 720.9003.07

FALC

FURNACES
Chamber laboratory furnaces

Designed for heating treatment of materials and for the firing of ceramic, porcelain and porcelain stoneware samples. Ideal for medical laboratories, institutes, colleges, art pottery and industrial laboratories
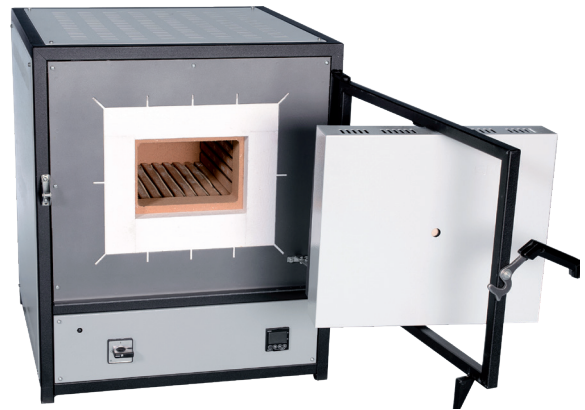
Digital timer: possibility to set temperature, speed of heating and time of keeping
Maximum temperature 1300°C
Microprocessor temperature controller

Turns off when the door is opened

The roboust ceramic chamber guarantees reliability
Control panel at the bottom of the furnace
Opened heating elements placed in the slots
Ceramic bottom plates

Technical data		FC 4	FC 7,2	FC 12	FC 15
Volume	lt	4	7,2	12	15
Heating power	kW	3,7	3,5	4,5	6
Power supply	Volt	230	230	230	400
Frequency	Hz	50	50	50	50
Number of phases	-	1	1	1	3
Steady operating temperature	°C	50-1300	50-1300	50-1300	50-1300
Work chamber material	-	Ceramic	Ceramic	Ceramic	Ceramic
Maximum heating time (without load)	Min.	140	170	150	140
Precision	°C	± 1	± 1	± 1	± 1
Uniformity	°C	± 10	± 10	± 10	± 10
Chamber dimensions LxWxH	mm	20x295x100	200x300x130	210x300x180	210x410x160
External dimension LxWxH	mm	440x560x500	580x750x690	640x720x825	723x860x830
Weight	kg	55	104	120	130
Code		**720.9002.04**	**720.9002.07**	**720.9002.12**	**720.9002.15**

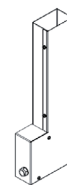| V/HZ 220/240 and 400-50/60	SAFETY CLASS 0	PROTECTION CLASS IP 42

ACCESSORIES

CONTROLLER
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5 programs up to 8 segments
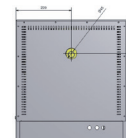**Code 720.9003.01**

TIMER
Delayed furnace start
Code 720.9003.03

CHIMNEY
with fan for aging process
Code 720.9003.05

OVERHEATING SAFETY DEVICE
Furnace safety device to avoid exceeding the maximum temperature (not adjustable).
Safety class 1
Code 720.9003.02

BUZZER
Audible signal that warns the operator that the process terminated
Code 720.9003.04

HOLE
(ceramic tube) on the back
Code 720.9003.06

PC CONNECTION AND SOFTWARE
Code 720.9003.07

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