



# ovens & incubators

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# ovens & incubators



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**Falc Ovens** are perfect instruments for thermostatic applications where high precision is required for example material testing, but not necessarily, such as glassware drying and sterilizing that don't need specific temperature. To do this, they are used with or without ventilation. Unlike incubators, ovens reach higher temperatures, up to 300°C.

**Falc Incubators** are mainly for microbiologic fields to monitor the temperature stability of samples at 37°C using natural ventilation not to compromise them; their working temperature doesn't usually exceed 80°C. Falc incubator creates the correct microclimate suitable for microorganisms' cultures without changing surrounding conditions.

### General features

- LCD touch screen display
- Setting for 4 languages
- Digital timer hh:mm:ss or infinite
- Program saving function
- Programmable delayed start
- Digital adjustable speed ventilation



# ovens



**1** Ergonomic handle with key

**2** Glass door to see samples without losing temperature uniformity (only incubators)

Internal chamber in 18/8 stainless steel

**3** Silicon seal perfectly sticks at door to grant set temperature without dispersions of heat inside the chamber

**4** Hole on back side to exhaust fumes discharge with open/close adjustment device for cables

**5** Hole on the top side to insert a thermometer or a probe

**6** Safety class 3.1

# s & incubators

# ovens

## NATURAL AND FORCED VENTILATION OVENS



LCD touch screen display  
External structure in steel sheet coated with antiacid epoxy powder. Inner chamber in 18/8 stainless steel



Digital temperature control via PID action with PT 100 probe



Digital timer hh:mm:ss or infinite



Digital adjustable speed ventilation (STF-F series)



Safety class 3.1 via digital adjustable regulation  
Key lock on the door



Setting for 4 languages (Italian-English-French-Spanish)  
Program saving function (temperature/maintenance/ventilation)  
Programmable delayed start (day hour)  
Calibration report performed with Accredia-certified LAT reference instrument  
Ø10mm hole on the upper side for thermometer or control probes insertion.



STF - N  
STF - F



### ACCESSORIES:

Code 720.1091.01 Ø40mm chimney on the back side to exhaust fumes/insert cables

Code 720.1091.02 Ø40mm chimney on the back side for exhaust fumes discharge with open/close adjustment from front panel 0 to 40mm

## Natural ventilation

Technical data		STF - N 52T	STF - N 120T	STF - N 240T	STF - N 400T
Capacity	l	52	120	240	400
Min temperature	°C	room+5	room+5	room+5	room+5
Max Temperature	°C	+300	+300	+300	+300
Precision	70°C	±1,5	±2,0	±2,5	±3,0
	150°C	±2,5	±3,0	±3,5	±3,5
	300°C	±3,0	±3,5	±3,5	±4,0
Resolution	°C	0,1	0,1	0,1	0,1
Timer	hh:mm:ss	99:59.59 or ∞	99:59.59 or ∞	99:59.59 or ∞	99:59.59 or ∞
Heating power	W	1200	1600	2600	3400
Included shelves	No.	2	2	2	2
Max no. of shelves	No.	6	8	12	15
Internal dimensions LxWxH	mm	390x350x390	500x470x520	600x500x800	700x580x1000
External dimensions LxWxH	mm	740x580x610	850x710x740	990x730x1030	1100x820x1220
Weight	kg	55	68	83	103
<b>Code</b>		<b>720.1080.05</b>	<b>720.1080.12</b>	<b>720.1080.24</b>	<b>720.1080.40</b>

V/HZ 220/240-50/60

SAFETY CLASS 3.1

PROTECTION CLASS IP 42

## Forced ventilation

Technical data		STF - F 52T	STF - F 120T	STF - F 240T	STF - F 400T
Capacity	l	52	120	240	400
Min temperature	°C	room+5	room+5	room+5	room+5
Max Temperature	°C	+300	+300	+300	+300
Precision	70°C	±1,0	±1,0	±1,5	±1,5
	150°C	±1,5	±1,5	±2,0	±2,0
	300°C	±2,0	±2,5	±2,5	±3,0
Resolution	°C	0,1	0,1	0,1	0,1
Timer	hh:mm:ss	99:59.59 or ∞	99:59.59 or ∞	99:59.59 or ∞	99:59.59 or ∞
Heating power	W	1200	1600	2600	3400
Included shelves	No.	2	2	2	2
Max no. of shelves	No.	6	8	12	15
Internal dimensions LxWxH	mm	390x350x390	500x470x520	600x500x800	700x580x1000
External dimensions LxWxH	mm	740x580x610	850x710x740	990x730x1030	1100x820x1220
Weight	kg	55	68	83	103
<b>Code</b>		<b>720.1090.05</b>	<b>720.1090.12</b>	<b>720.1090.24</b>	<b>720.1090.40</b>

V/HZ 220/240-50/60






SAFETY CLASS 3.1

PROTECTION CLASS IP 42

## BASIC LINE - NATURAL AND FORCED VENTILATION OVENS



STE - N  
STE - F

-  External structure in steel sheet coated with antiacid epoxy powder. Inner chamber in 18/8 stainless steel
-  Digital temperature controller via PID action with PT 100 probe
-  Key lock on the door
-  Forced ventilation (STE-F series)
-  Calibration report performed with Accredia-certified LAT reference instrument.

### ACCESSORIES:

Code 720.2091.90 3.1 Safety thermostat

Code 720.1091.01 Ø40mm chimney on the back side to exhaust fumes/insert cables

Code 720.1091.02 Ø40mm chimney on the back side for exhaust fumes discharge with open/close adjustment from front panel 0 a 40mm

## Natural ventilation

Technical data		STE - N 52	STE - N 120
Capacity	l	52	120
Min temperature	°C	room +5	room +5
Max temperature	°C	+300	+300
Precision	150°C	±2,5	±3,0
	300°C	±3,0	±3,5
Resolution	°C	0,1	0,1
Heating power	W	1200	1600
Included shelves	No.	2	2
Max no. of shelves	No.	6	8
Internal dimensions LxWxH	mm	390x350x390	500x470x520
External dimensions LxWxH	mm	740x580x610	850x710x740
Weight	Kg	55	68
<b>Code</b>		<b>720.2079.05</b>	<b>720.2079.12</b>

V/HZ 220/240-50/60

SAFETY CLASS 0

PROTECTION CLASS IP 42

## Forced ventilation

Technical data		STE - F 52	STE - F 120
Capacity	l	52	120
Min temperature	°C	room +5	room +5
Max temperature	°C	+300	+300
Precision	150°C	±1,5	±1,5
	300°C	±2,5	±2,5
Resolution	°C	0,1	0,1
Heating power	W	1200	1600
Included shelves	No.	2	2
Max no. of shelves	No.	6	8
Internal dimensions LxWxH	mm	390x350x390	500x470x520
External dimensions LxWxH	mm	740x580x610	850x710x740
Weight	Kg	55	68
<b>Code</b>		<b>720.2089.05</b>	<b>720.2089.12</b>

V/HZ 220/240-50/60

SAFETY CLASS 0

PROTECTION CLASS IP 42

## FORCED VENTILATION OVEN FOR LARGE VOLUMES



LCD touch screen display  
External structure in stainless steel sheet coated with antiacid epoxy powder.  
Inner chamber in 18/8 stainless steel



Digital temperature control via PID action with PT 100 probe.



Digital timer hh:mm:ss or infinite



Forced ventilation via adjustable regulation



Safety class 3.1 via adjustable regulation



Energy saving. Switches to partially disable the heating elements (2600+2600 W).



Ø45 mm hole on the back side for exhaust fumes discharge with open/close adjustment device for cables from 0 to 45 mm  
Ø10 mm hole on the top side to insert a thermometer or a probe  
4 wheels for easy movement, front wheels with brakes.  
Manual chimney opening  
Setting for 4 languages (Italian-English-French-Spanish)  
Program saving function (temperature/maintenance/ventilation)  
Programmable delayed start (day hour)  
Calibration report performed with Accredia-certified LAT reference instrument.



STF-F 720T

Technical data		STF - F 720T
Capacity	l	720
Min temperature	°C	room+ 5
Max temperature	°C	+220
Precision	%	±1% of temperature
Resolution	°C	0,1
Timer	hh:mm	99:59.59 or ∞
Heating power	W	5200
Included shelves	No.	2
Max no. of shelves	No.	21
Internal dimensions LxWxH	mm	910x610x1320
External dimensions LxWxH	mm	1280x830x1850
Weight	kg	242
<b>Code</b>		<b>720.1090.45</b>

V/HZ 220/240-50/60

SAFETY CLASS 3.1

PROTECTION CLASS IP 42



## NATURAL AND FORCED VENTILATION OVENS WITH RAMPS



STF-NR / STF-FR

### ACCESSORIES:

Code 720.1091.01 Ø40mm chimney on the back side to exhaust fumes/insert cables

Code 720.1091.02 Ø40mm chimney on the back side for exhaust fumes discharge with open/close adjustment from front panel Ø a 40mm

Code 720.1091.10 Wifi module remote monitoring for Oven and Incubators with ramps



LCD touch screen display  
External structure in steel sheet coated with antiacid epoxy powder.  
Inner chamber in 18/8 stainless steel



Digital temperature control via microprocessor with PID action with PT 100 probe



Digital timer hh:mm:ss or infinite



Safety class 3.1 via adjustable regulation  
Key lock on the door



Digital adjustable speed ventilation (STF-F series)



Optimization of working time by using set cycles



Setting for 4 languages (Italian-English-French-Spanish)  
Program saving function (temperature/maintenance/ventilation)  
Programmable delayed start (day hour)  
Programmable with 20 ramps setting 8 temperatures and lengths of time  
USB port to download data  
Calibration report performed with Accredia-certified LAT reference instrument  
Ø10mm hole on the upper side for thermometer or control probes insertion.

### Natural ventilation

Technical data		STF - NR 52T	STF - NR 120T	STF - NR 240T	STF - NR 400T
Capacity	l	52	120	240	400
Min temperature	°C	room+ 5	room+ 5	room+ 5	room+ 5
Max temperature	°C	+300	+300	+300	+300
Precision	70°C	±1,5	±2,0	±2,5	±3,0
	150°C	±2,5	±3,0	±3,5	±3,5
	300°C	±3,0	±3,5	±3,5	±4,0
Resolution	°C	0,1	0,1	0,1	0,1
Timer	hh:mm:ss	99:59.59 or ∞	99:59.59 or ∞	99:59.59 or ∞	99:59.59 or ∞
Heating power	W	1200	1600	2600	3400
Included shelves	No.	2	2	2	2
Max no. of shelves	No.	6	8	12	15
Internal dimensions LxWxH	mm	390x350x390	500x470x520	600x500x800	700x580x1000
External dimensions LxWxH	mm	740x580x610	850x710x740	995x710x1030	1095x790x1230
Weight	kg	55	68	80	100
<b>Code</b>		<b>720.1080.55</b>	<b>720.1080.62</b>	<b>720.1080.74</b>	<b>720.1080.80</b>

V/HZ 220/240-50/60

SAFETY CLASS 3.1

PROTECTION CLASS IP 42

### Forced ventilation

Technical data		STF - FR 52T	STF - FR 120T	STF - FR 240T	STF - FR 400T
Capacity	l	52	120	240	400
Min temperature	°C	room+ 5	room+ 5	room+ 5	room+ 5
Max temperature	°C	+300	+300	+300	+300
Precision	70°C	±1,0	±1,0	±1,5	±1,5
	150°C	±1,5	±1,5	±2,0	±2,0
	300°C	±2,0	±2,5	±2,5	±3,0
Resolution	°C	0,1	0,1	0,1	0,1
Timer	hh:mm:ss	99:59.59 or ∞	99:59.59 or ∞	99:59.59 or ∞	99:59.59 or ∞
Heating power	W	1200	1600	2600	3400
Included shelves	No.	2	2	2	2
Max no. of shelves	No.	6	8	12	15
Internal dimensions LxWxH	mm	390x350x390	500x470x520	600x500x800	700x580x1000
External dimensions LxWxH	mm	740x580x610	850x710x740	995x710x1030	1095x790x1230
Weight	kg	55	68	80	100
<b>Code</b>		<b>720.1090.55</b>	<b>720.1090.62</b>	<b>720.1090.74</b>	<b>720.1090.80</b>

V/HZ 220/240-50/60

SAFETY CLASS 3.1

PROTECTION CLASS IP 42

# incubators

## INCUBATORS FOR PRECISE THERMOSTATIC APPLICATIONS



ICT



### ACCESSORIES:

Code 720.1091.01 Ø40mm chimney on the back side to exhaust fumes/insert cables

Code 720.1091.02 Ø40mm chimney on the back side for exhaust fumes discharge with open/close adjustment from front panel 0 to 40mm



LCD touch screen display  
External structure in steel sheet coated with antiacid epoxy powder. Inner chamber in 18/8 stainless steel.  
Inner door in tempered glass



Digital temperature control via PID action with PT 100 probe



Digital timer hh:mm:ss or infinite



Natural ventilation  
Forced ventilation (optional)



Safety class 3.1 via digital adjustable regulation  
Key lock on the door



Setting for 4 languages (Italian-English-French-Spanish)  
Program saving function (temperature/maintenance/ventilation)  
Programmable delayed start (day hour)  
Calibration report performed with Accredia-certified LAT reference instrument  
Ø10mm hole on the upper side for thermometer or control probes insertion

Technical data		ICT 52T	ICT 120T	ICT 240T
Capacity	l	52	120	240
Min temperature	°C	room+ 5	room+ 5	room+ 5
Max Temperature	°C	+80	+80	+80
Precision	37°C	±0,4	±0,8	±0,8
Resolution	°C	0,1	0,1	0,1
Timer	hh:mm:ss	99:59.59 or ∞	99:59.59 or ∞	99:59.59 or ∞
Heating power	W	300	400	650
Included shelves	No.	2	2	2
Max no. of shelves		6	8	12
Internal dimensions LxWxH	mm	390x350x390	500x470x520	600x500x800
External dimensions LxWxH	mm	740x580x610	850x710x740	990x730x1030
Weight	kg	55	68	83
<b>Code</b>		<b>720.1070.16</b>	<b>720.1070.20</b>	<b>720.1070.22</b>








V/HZ 220/240-50/60

SAFETY CLASS 3.1

PROTECTION CLASS IP 42

# incubators

## INCUBATORS WITH RAMPS FOR PRECISE THERMOSTATIC APPLICATIONS

-  LCD touch screen display  
External structure in steel sheet coated with antiacid epoxy powder. Inner chamber in 18/8 stainless steel  
Inner door in tempered glass
-  Digital temperature control via microprocessor  
PID action with PT 100 probe
-  Digital timer hh:mm:ss or infinite
-  Safety class 3.1 via adjustable regulation  
Key lock on the door
-  Natural ventilation  
Forced ventilation (optional)
-  Optimization of working time using set cycles
-  Setting for 4 languages (Italian-English-French-Spanish)  
Program saving function (temperature/maintenance/ventilation)  
Programmable delayed start (day hour)  
Programmable with 20 ramps setting 8 temperatures and lengths of time  
USB port to download data  
Calibration report performed with Accredia-certified LAT reference instrument  
Ø10mm hole on the upper side for thermometer or control probes insertion.



ICT-R



### ACCESSORIES:

- Code 720.1091.01 Ø40mm chimney on the back side to exhaust fumes/insert cables
- Code 720.1091.02 Ø40mm chimney on the back side for exhaust fumes discharge with open/close adjustment from front panel 0 a 40mm
- Code 720.1091.10 Wifi module remote monitoring for Oven and Incubators with ramps

Technical data		ICT - R 52T	ICT - R 120T	ICT - R 240T
Capacity	l	52	120	240
Min temperature	°C	room+ 5	room+ 5	room+ 5
Max Temperature	°C	+80	+80	+80
Precision	37°C	±0,4	±0,8	±0,8
Resolution	°C	0,1	0,1	0,1
Timer	hh:mm:ss	99:59.59 or ∞	99:59.59 or ∞	99:59.59 or ∞
Heating power	W	300	400	650
Included shelves	No.	2	2	2
Max no. of shelves	No.	6	8	12
Internal dimensions LxWxH	mm	390x350x390	500x470x520	600x500x800
External dimensions LxWxH	mm	740x580x610	850x710x740	995x710x1030
Weight	kg	55	68	80
<b>Code</b>		<b>720.1070.56</b>	<b>720.1070.60</b>	<b>720.1070.62</b>

V/HZ 220/240-50/60

SAFETY CLASS 3.1

PROTECTION CLASS IP 42

# incubators

## INCUBATORS FOR APPLICATIONS BELOW ROOM TEMPERATURE



ICT-A



### ACCESSORIES:

Code 720.1091.01 Ø40mm chimney on the back side to exhaust fumes/insert cables  
Code 720.1091.02 Ø40mm chimney on the back side for exhaust fumes discharge with open/close adjustment from front panel 0 to 40mm



LCD touch screen display  
External structure coated in antiacid epoxy powder.  
Inner chamber in stainless steel 18/8. Inner door in tempered glass



Digital temperature control via PID action with PT 100 probe  
Option to lower room temperature of 10°C.



Ventilation via integrated Peltier cooler



Digital timer hh:mm:ss or infinite



Safety class 3.1 via adjustable regulation  
Key lock on the door



Setting for 4 languages (Italian-English-French-Spanish)  
Program saving function (temperature/maintenance/ventilation)  
Programmable delayed start (day hour)  
Calibration report performed with Accredia-certified LAT reference instrument  
Ø10mm hole on the upper side for thermometer or control probes insertion.

Technical data		ICT - A 52T	ICT - A 120T
Capacity	l	52	120
Min temperature	°C	20	20
Max Temperature	°C	+80	+80
Display resolution	°C	0,1	0,1
Timer	hh:mm:ss	99:59:59 or ∞	99:59:59 or ∞
Precision	37°C	±0,4	±0,4
Cooling power	W	70	70
Heating power	W	250	350
Included shelves	No.	2	2
Max no. of shelves	No.	6	8
Maximum load per shelf	kg	20	20
Max instrument load	kg	50	100
Internal dimensions LxWxH	mm	390x350x390	500x470x520
External dimensions LxWxH	mm	740x580x610	850x710x740
Weight	kg	55	68
<b>Code</b>		<b>720.1070.24</b>	<b>720.1070.28</b>








V/HZ 220/240-50/60

SAFETY CLASS 3.1

PROTECTION CLASS IP 42

# incubators

## INCUBATORS WITH RAMPS FOR APPLICATIONS BELOW ROOM TEMPERATURE

-  LCD touch screen display  
External structure coated in antiacid epoxy powder. Inner chamber in stainless steel 18/8. Inner door in tempered glass
-  Digital temperature control PID action with PT 100 probe  
Option to lower room temperature of 10°C
-  Ventilation via integrated Peltier cooler
-  Digital timer hh:mm:ss or infinite
-  Safety class 3.1 via adjustable regulation  
Key lock on the door
-  Optimization of working time by using set cycles
-  Setting for 4 languages (Italian-English-French-Spanish)  
Program saving function (temperature/maintenance/ventilation)  
Programmable delayed start (day hour)  
Programmable with 20 ramps setting 8 temperatures and lengths of time  
USB port to download data  
Calibration report performed with Accredia-certified LAT reference instrument  
Ø10mm hole on the upper side for thermometer or control probes insertion.



ICT-AR



### ACCESSORIES:

Code 720.1091.01 Ø40mm chimney on the back side to exhaust fumes/insert cables

Code 720.1091.02 Ø40mm chimney on the back side for exhaust fumes discharge with open/close adjustment from front panel 0 to 40mm

Code 720.1091.10 Wifi module remote monitoring for Oven and Incubators with ramps

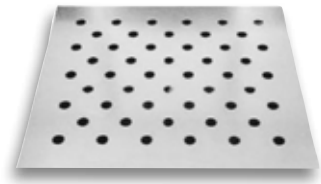
Technical data		ICT - AR 52T	ICT - AR 120T
Capacity	l	52	120
Min temperature	°C	20	20
Max temperature	°C	+80	+80
Precision	37 °C	±0,4	±0,4
Timer	hh:mm:ss	99:59:59 or ∞	99:59:59 or ∞
Resolution	°C	0,1	0,1
Cooling power	W	70	70
Heating power	W	250	350
Included shelves	No.	2	2
Max no. of shelves	No.	6	8
Maximum load per shelf	Kg	20	20
Max instrument load	Kg	50	100
Internal dimensions LxWxH	mm	390x350x390	500x470x520
External dimensions LxWxH	mm	740x580x610	850x710x740
Weight	kg	55	68
<b>Code</b>		<b>720.1070.64</b>	<b>720.1070.68</b>

V/HZ 220/240-50/60

SAFETY CLASS 3.1

PROTECTION CLASS IP 42

# accessories

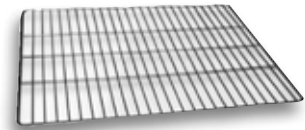


## Perforated shelves in aluminium

Capacity (l)	5,4	18	28
Code	720.2091.01	720.2091.02	720.2091.03

## Perforated shelves in stainless steel for STF-ICT

Capacity (l)	52	80	120	240	400	720
Code	720.2091.55	720.2091.58	720.2091.62	720.2091.74	720.2091.80	720.2091.85



## Grid shelves for STF-ICT

In chrome-plated

Capacity (l)	52	80	120	240	400	720
Code	720.2091.05	720.2091.08	720.2091.12	720.2091.24	720.2091.40	720.2091.45

## Disassembling Oven table

In steel sheet coated with antiacid epoxy powder (supplied disassembled)

STF/ICT			
Capacity	l	52-80	80-120
Dimensions	m	800x650x850	900x750x800
Code		720.2091.92	720.2091.93



## Oven holder table

In anodized aluminium tube profiled

STF/ICT			
Capacity	l	52-80	80-120
Dimensions	m	800x650x850	900x750x800
Code		720.2091.95	720.2091.96



## Oven table-trolley

In steel sheet coated with antiacid epoxy powder  
Wheels diameter 150 mm with brake

STF/ICT			
Capacity	l	240-400	
Dimensions	m	1100x800x500	
Code		720.2091.98	







**FALC INSTRUMENTS s.r.l.**  
Via G. M. Compagnoni, 2  
24047 Treviglio (BG) - Italy  
+39 0363 304660 | [falc@falcinstruments.it](mailto:falc@falcinstruments.it)

[WWW.FALCINSTRUMENTS.IT](http://WWW.FALCINSTRUMENTS.IT)