



2017

OVENS &  
INCUBATORS

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## OVENS & INCUBATORS

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# MINI OVENS

## Mini oven for sterilization



STZ analog



Inner chamber made of aluminium for a better heat diffusion



Bimetallic temperature controller with fluid expansion probe.  
Timer from 0 to 120 minute + infinite

| Technical data            |      | STZ 5,4            | STZ 18             | STZ 28             |
|---------------------------|------|--------------------|--------------------|--------------------|
| Capacity                  | l    | 5,4                | 18                 | 28                 |
| Room Temp. + 5            | °C   | +150               | +150               | +150               |
| Precision                 | 70°C | ±3                 | ±3                 | ±3                 |
| Heating power             | W    | 360                | 600                | 600                |
| Included Shelves          | n°   | 2                  | 2                  | 2                  |
| Max no. of shelves        | n°   | 4                  | 5                  | 5                  |
| Internal dimensions LxWxH | mm   | 190x150x190        | 300x300x200        | 400x250x300        |
| External dimensions LxWxH | mm   | 380x240x300        | 500x390x320        | 620x360x440        |
| Weight                    | kg   | 10                 | 15                 | 26,5               |
| <b>Code</b>               |      | <b>720.2070.04</b> | <b>720.2070.06</b> | <b>720.2070.08</b> |

V/HZ 220/240-50/60

SAFETY CLASS 0

PROTECTION CLASS IP 40



STZ - D digital



Inner chamber made of aluminium for better heat diffusion



Bimetallic temperature controller with fluid expansion probe  
Timer 0-120 minute + infinite

| Technical data            |     | STZ - D 5,4        | STZ - D 18         | STZ - D 28         |
|---------------------------|-----|--------------------|--------------------|--------------------|
| Capacity                  | l   | 5,4                | 18                 | 28                 |
| Temperature + 5           | °C  | 200                | 200                | 200                |
| Precision                 | °C  | ±2                 | ±2                 | ±2                 |
| Heating power             | W   | 360                | 600                | 600                |
| Included Shelves          | No. | 2                  | 2                  | 2                  |
| Max no. of shelves        | No. | 4                  | 5                  | 5                  |
| Internal dimensions LxWxH | mm  | 190x150x190        | 300x300x200        | 400x250x300        |
| External dimensions LxWxH | mm  | 380x240x300        | 500x390x320        | 620x360x440        |
| Weight                    | kg  | 10                 | 15                 | 26,5               |
| <b>Code</b>               |     | <b>720.2080.01</b> | <b>720.2080.02</b> | <b>720.2080.03</b> |




V/HZ 220/240-50/60

SAFETY CLASS 3,1

PROTECTION CLASS IP 40

# OVENS

## Natural and forced ventilation ovens

-  External structure in stainless steel sheet coated with antiacid epoxy powder. Inner chamber in 18/8 stainless steel
-  Temperature control with PID microprocessor  
Timer from 0 to 12 hours + infinite
-  Ø45 mm hole on the back side for exhaust fumes discharge with open/close adjustment device for cables, probes, etc.  
Adjustable-speed ventilation (STF-F series)  
Ø10 mm hole on the top side to insert a thermometer or a probe



STF - N  
STF - F

### Natural ventilation

| Technical data            |       | STF - N 52         | STF - N 80         | STF - N 120        | STF - N 240        | STF - N 400        |
|---------------------------|-------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Capacity                  | l     | 52                 | 80                 | 120                | 240                | 400                |
| Room temperature + 5      | °C    | +300               | +300               | +300               | +300               | +300               |
|                           | 70°C  | ±1,5               | ±1,5               | ±2,0               | ±2,5               | ±3,0               |
| Precision                 | 150°C | ±2,5               | ±2,5               | ±3,0               | ±3,5               | ±3,5               |
|                           | 300°C | ±3,0               | ±3,0               | ±3,5               | ±3,5               | ±4,0               |
|                           | °C    | 0,1                | 0,1                | 0,1                | 0,1                | 0,1                |
| Resolution                | °C    | 0,1                | 0,1                | 0,1                | 0,1                | 0,1                |
| Heating power             | W     | 1200               | 1400               | 1600               | 2600               | 3400               |
| Included shelves          | No.   | 2                  | 2                  | 2                  | 2                  | 2                  |
| Max number of shelves     | No.   | 6                  | 7                  | 8                  | 12                 | 15                 |
| Internal dimensions LxWxH | mm    | 390x350x390        | 450x400x450        | 500x470x520        | 600x500x800        | 700x580x1000       |
| External dimensions LxWxH | mm    | 705x570x610        | 775x610x675        | 825x680x740        | 925x710x1030       | 1025x790x1230      |
| Weight                    | kg    | 55                 | 60                 | 68                 | 80                 | 100                |
| <b>Code</b>               |       | <b>720.2080.05</b> | <b>720.2080.08</b> | <b>720.2080.12</b> | <b>720.2080.24</b> | <b>720.2080.40</b> |

V/HZ 220/240-50/60

SAFETY CLASS 3.1

PROTECTION CLASS IP 42

### Forced ventilation

| Technical data        |       | STF - F 52         | STF - F 80         | STF - F 120        | STF - F 240        | STF - F 400        |
|-----------------------|-------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Capacity              | l     | 52                 | 80                 | 120                | 240                | 400                |
| Room Temperature + 5  | °C    | +300               | +300               | +300               | +300               | +300               |
|                       | 70°C  | ±1,0               | ±1,0               | ±1,0               | ±1,5               | ±1,5               |
| Precision             | 150°C | ±1,5               | ±1,5               | ±1,5               | ±2,0               | ±2,0               |
|                       | 300°C | ±2,0               | ±2,0               | ±2,5               | ±2,5               | ±3,0               |
|                       | °C    | 0,1                | 0,1                | 0,1                | 0,1                | 0,1                |
| Resolution            | °C    | 0,1                | 0,1                | 0,1                | 0,1                | 0,1                |
| Heating power         | W     | 1200               | 1400               | 1600               | 2600               | 3400               |
| Internal size LxWxH   | mm    | 390x350x390        | 450x400x450        | 500x470x520        | 600x500x800        | 700x580x1000       |
| Shelves               | No.   | 2                  | 2                  | 2                  | 2                  | 2                  |
| Max number of shelves | No.   | 6                  | 7                  | 8                  | 12                 | 15                 |
| Outer dim. LxWxH      | mm    | 705x570x610        | 775x610x675        | 825x680x740        | 925x710x1030       | 1025x790x1230      |
| Weight                | kg    | 55                 | 60                 | 68                 | 80                 | 100                |
| <b>Code</b>           |       | <b>720.2090.05</b> | <b>720.2090.08</b> | <b>720.2090.12</b> | <b>720.2090.24</b> | <b>720.2090.40</b> |

V/HZ 220/240-50/60

SAFETY CLASS 3.1

PROTECTION CLASS IP 42





For accessories and shelves see page 19

# STUFE

## Basic Ovens



STE - N  
STE - F

-  External structure in 18/8 stainless steel sheet coated with antiacid epoxy powder. Inner chamber in stainless steel
-  Digital temperature controller with resolution 0.1 and PID action
-  Manual reset safety thermostat adjustable
-  Manual chimney opening

### 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 | ±1,5               | ±1,5               |
|                           | 300°C | ±2,5               | ±2,5               |
| Heating power             | W     | 1200               | 1600               |
| Internal dimensions LxWxH | mm    | 390x350x390        | 500x470x520        |
| Included shelves          | No.   | 2                  | 2                  |
| Max number of shelves     | No.   | 6                  | 8                  |
| External dimensions LxWxH | mm    | 705x570x610        | 825x680x740        |
| 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 3.1

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 | ±2,5               | ±3,0               |
|                           | 300°C | ±3,0               | ±3,5               |
| Heating power             | W     | 1200               | 1600               |
| Internal dimensions LxWxH | mm    | 390x350x390        | 500x470x520        |
| Included shelves          | No.   | 2                  | 2                  |
| Max number of shelves     | No.   | 6                  | 8                  |
| External dimensions LxWxH | mm    | 705x570x610        | 825x680x740        |
| 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 3.1

PROTECTION CLASS IP 42

For accessories and shelves see page 19

# OVENS

## Forced ventilation oven for large volumes

-  Inner chamber in 18/8 stainless steel. External structure in stainless steel sheet coated with antiacid epoxy powder.
-  Electronic temperature control by PID-microprocessor. Digital timer from 0 to 99:59 (hh: mm) to infinity.
-  Energy saving. Switches to partially disable the heating elements.
-  Adjustable safety thermostat.



STF-F 720

| Technical data            | STF - F 720        |                        |
|---------------------------|--------------------|------------------------|
| Capacity                  | l                  | 720                    |
| Working temperature       | °C                 | from +5 room to +220°C |
| Precision                 | %                  | ±1% of temperature     |
| Resolution                | °C                 | 0,1                    |
| Timer                     | hh:mm              | from 0 to 99:59 + ∞    |
| Heating power             | W                  | 2600+2600              |
| Included shelves          | No.                | 2                      |
| Max shelves               | No.                | 21                     |
| Internal dimensions LxWxH | mm                 | 910x610x1320           |
| External dimensions LxWxH | mm                 | 1270x830x1710          |
| Weight                    | kg                 | 250                    |
| <b>Code</b>               | <b>720.2090.45</b> |                        |

V/HZ 220/240-50/60

SAFETY CLASS 3.1

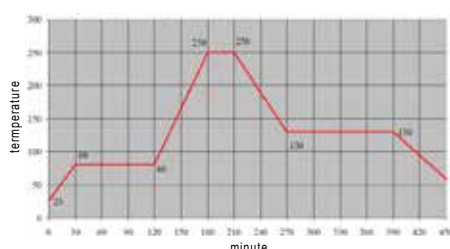
PROTECTION CLASS IP 42






# OVENS

## Natural and forced convection ovens with ramps



STF-NR / STF-FR



-  External structure in steel sheet coated with antiacid epoxy powder. Inner chamber in 18/8 stainless steel
-  Temperature control with microprocessor with PID action
-  Termostato di sicurezza regolabile
-  Adjustable safety thermostat
-  Ø 45 mm hole on the back side to discharge exhaust fumes with open/close adjustment device for cables, probes, etc. Ø 10 mm hole on the top side to insert a thermometer or a probe Programmable with ramps and serial interface RS 232. Working programs with 8 segments

### SOFTWARE PROGRAM

- USB converter included
  - Chart creation
  - Historical files record
- Code 720.3010.00**

### Natural ventilation

| Technical data            |       | STF - NR 52        | STF - NR 80        | STF - NR 120       | STF - NR 240       | STF - NR 400       |
|---------------------------|-------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Capacity                  | l     | 52                 | 80                 | 120                | 240                | 400                |
| Room temperature + 5      | °C    | +300               | +300               | +300               | +300               | +300               |
| Precision                 | 70°C  | ±1,5               | ±1,5               | ±2,0               | ±2,5               | ±3,0               |
|                           | 150°C | ±2,5               | ±2,5               | ±3,0               | ±3,5               | ±3,5               |
|                           | 300°C | ±3,0               | ±3,0               | ±3,5               | ±3,5               | ±4,0               |
| Resolution                | °C    | 0,1                | 0,1                | 0,1                | 0,1                | 0,1                |
| Heating power             | W     | 1200               | 1400               | 1600               | 2600               | 3400               |
| Included shelves          | No.   | 2                  | 2                  | 2                  | 2                  | 2                  |
| Max number of shelves     | No.   | 6                  | 7                  | 8                  | 12                 | 15                 |
| Internal dimensions LxWxH | mm    | 390x350x390        | 450x400x450        | 500x470x520        | 600x500x800        | 700x580x1000       |
| External dimensions LxWxH | mm    | 775x570x610        | 845x610x675        | 895x680x740        | 995x710x1030       | 1095x790x1230      |
| Weight                    | kg    | 55                 | 60                 | 68                 | 80                 | 100                |
| <b>Code</b>               |       | <b>720.2080.55</b> | <b>720.2080.58</b> | <b>720.2080.62</b> | <b>720.2080.74</b> | <b>720.2080.80</b> |

V/HZ 220/240-50/60

SAFETY CLASS 3.1

PROTECTION CLASS IP 42

### Forced ventilation

| Technical data             |       | STF - FR 52        | STF - FR 80        | STF - FR 120       | STF - FR 240       | STF - FR 400       |
|----------------------------|-------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Capacity                   | l     | 52                 | 80                 | 120                | 240                | 400                |
| Room temperature + 5       | °C    | +300               | +300               | +300               | +300               | +300               |
| Precision                  | 70°C  | ±1,0               | ±1,0               | ±1,0               | ±1,5               | ±1,5               |
|                            | 150°C | ±1,5               | ±1,5               | ±1,5               | ±2,0               | ±2,0               |
|                            | 300°C | ±2,0               | ±2,0               | ±2,5               | ±2,5               | ±3,0               |
| Resolution                 | °C    | 0,1                | 0,1                | 0,1                | 0,1                | 0,1                |
| Heating power              | W     | 1200               | 1400               | 1600               | 2600               | 3400               |
| Ripiani grigliati di serie | No.   | 2                  | 2                  | 2                  | 2                  | 2                  |
| Max number of shelves      | No.   | 6                  | 7                  | 8                  | 12                 | 15                 |
| Internal dimensions LxWxH  | mm    | 390x350x390        | 450x400x450        | 500x470x520        | 600x500x800        | 700x580x1000       |
| External dimensions LxWxH  | mm    | 775x570x610        | 845x610x675        | 895x680x740        | 995x710x1030       | 1095x790x1230      |
| Weight                     | kg    | 55                 | 60                 | 68                 | 80                 | 100                |
| <b>Code</b>                |       | <b>720.2090.55</b> | <b>720.2090.58</b> | <b>720.2090.62</b> | <b>720.2090.74</b> | <b>720.2090.80</b> |

V/HZ 220/240-50/60

SAFETY CLASS 3.1

PROTECTION CLASS IP 42



# INCUBATORS

## Mini portable incubator



Ideal for measurements and tests on the field  
(also for bench applications in laboratory)



Power supply 220V and 12V (cigarette lighter)



Digital timer: option to program with 5  
temperature steps  
Cooling by Peltier technology



ICT-P

| Technical data              |                     | ICT-P               |
|-----------------------------|---------------------|---------------------|
| Capacity                    | l                   | 18                  |
| Temperature                 | °C                  | 10 to 65            |
| Precision                   | 37°C                | ±0,2 °C             |
| Resolution                  | °C                  | 0,1                 |
| Uniformity                  | °C                  | 0,1                 |
| Stability                   | °C                  | ±0,2                |
| Timer                       | h                   | 10000               |
| Timer resolution            | s                   | 1                   |
| Heating and cooling setting | automatic detection | automatic detection |
| Internal dimensions LxWxH   | cm                  | 27,5x18,5x3,5       |
| External dimensions LxWxH   | cm                  | 29,5x35x46,5        |
| Weight                      | kg                  | 6                   |
| Power Supply                | W                   | 60                  |
| Power                       | V                   | 12                  |
| <b>Code</b>                 |                     | <b>720.2070.00</b>  |

V/Hz 100 TO 240/50-60

SAFETY CLASS 00

PROTECTION CLASS 00

# INCUBATORS

## Mini Incubators



ICT



Incubators with transparent Plexiglas door to inspect the chambers



Natural air circulation, electronic temperature control with microprocessor PID Probe PT 100



Ø10 mm hole on the top side to insert a thermometer or a probe

| Technical data            |      | ICT 5,4            | ICT 18             | ICT 28             |
|---------------------------|------|--------------------|--------------------|--------------------|
| Capacity                  | l    | 5,4                | 18,0               | 28,0               |
| Room Temperature + 5      | °C   | +80                | +80                | +80                |
| Precision                 | 37°C | ±0,5               | ±0,5               | ±0,5               |
| Resolution                | °C   | 0,1                | 0,1                | 0,1                |
| Heating power             | W    | 120                | 360                | 420                |
| Included Shelves          | No.  | 2                  | 2                  | 2                  |
| Max number of shelves     | No.  | 4                  | 5                  | 5                  |
| Internal dimensions LxWxH | mm   | 190x150x190        | 300x300x200        | 400x250x300        |
| External dimensions LxWxH | mm   | 380x240x300        | 500x390x320        | 620x360x440        |
| Weight                    | kg   | 10                 | 15                 | 26,5               |
| <b>Code</b>               |      | <b>720.2070.10</b> | <b>720.2070.12</b> | <b>720.2070.14</b> |

V/HZ 220/240-50/60

SAFETY CLASS 3.1

PROTECTION CLASS IP 42

# INCUBATORS

Incubators for precise thermostat applications



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



Temperature control with microprocessor.  
Timer from 0 to 12 hours + infinite



Ø45 mm hole on the back side to discharge exhaust fumes with open/close adjustment device for cables, probes, etc.  
Ø10 mm hole on the top side to insert a thermometer or a probe

ICT



| Technical data            |      | ICT 52             | ICT 80             | ICT 120            | ICT 240            |
|---------------------------|------|--------------------|--------------------|--------------------|--------------------|
| Capacity Room             | l    | 52                 | 80                 | 120                | 240                |
| Temperature + 5           | °C   | +80                | +80                | +80                | +80                |
| Precision                 | 37°C | ±0,4               | ±0,4               | ±0,8               | ±0,8               |
| Resolution                | °C   | 0,1                | 0,1                | 0,1                | 0,1                |
| Heating power             | W    | 300                | 350                | 400                | 650                |
| Included shelves          | No.  | 2                  | 2                  | 2                  | 2                  |
| Max shelves               |      | 6                  | 7                  | 8                  | 12                 |
| Internal dimensions LxWxH | mm   | 390x350x390        | 450x400x450        | 500x470x520        | 600x500x800        |
| External dimensions LxWxH | mm   | 705x570x610        | 775x610x675        | 825x680x740        | 925x710x1030       |
| Weight                    | kg   | 55                 | 60                 | 68                 | 80                 |
| <b>Code</b>               |      | <b>720.2070.16</b> | <b>720.2070.18</b> | <b>720.2070.20</b> | <b>720.2070.22</b> |

V/HZ 220/240-50/60

SAFETY CLASS 3.1

PROTECTION CLASS IP 42

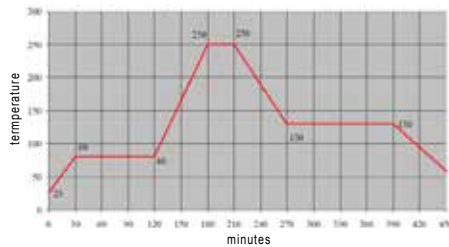
For accessories and shelves see page 19






# INCUBATORS

## Incubators with ramps for precise thermostat applications



ICT - R



-  External structure in steel sheet coated with antiacid epoxy powder. Inner chamber in 18/8 stainless steel
-  Temperature control with microprocessor with PID
-  Adjustable safety thermostat
-  Optimization of times
-  Hole Ø45 mm on the rear side to exhaust the fumes with open/close adjustment device for cables, probes, etc. Ø10mm hole on the top side to insert a thermometer or a probe Programmable with ramps and serial interface RS 232. Work programs with 8 temperature

### SOFTWARE PROGRAM

- USB converter included
  - Chart creation
  - Historical files record
- Code 720.3010.00**

| Technical data            |      | ICT - R 52         | ICT - R 80         | ICT - R 120        | ICT - R 240        |
|---------------------------|------|--------------------|--------------------|--------------------|--------------------|
| Capacity                  | l    | 52                 | 80                 | 120                | 240                |
| Room Temperature + 5      | °C   | +80                | +80                | +80                | +80                |
| Precision                 | 37°C | ±0,4               | ±0,4               | ±0,8               | ±0,8               |
| Resolution                | °C   | 0,1                | 0,1                | 0,1                | 0,1                |
| Heating power             | W    | 300                | 350                | 400                | 650                |
| Included shelves          | No.  | 2                  | 2                  | 2                  | 2                  |
| Max shelves               | No.  | 6                  | 7                  | 8                  | 12                 |
| Internal dimensions LxWxH | mm   | 390x350x390        | 450x400x450        | 500x470x520        | 600x500x800        |
| External dimensions LxWxH | mm   | 775x570x610        | 845x610x675        | 895x680x740        | 995x710x1030       |
| Weight                    | kg   | 55                 | 60                 | 68                 | 80                 |
| <b>Code</b>               |      | <b>720.2070.56</b> | <b>720.2070.58</b> | <b>720.2070.60</b> | <b>720.2070.62</b> |

V/HZ 220/240-50/60




SAFETY CLASS 3.1

PROTECTION CLASS IP 42

For accessories and shelves see page 19

# REFRIGERATED INCUBATORS

Incubators for applications below room temperature

-  External structure coated in antiacid epoxy powder. Inner chamber in stainless steel 18/8. Inner door in tempered glass
-  The internal temperature is controlled by a PID microprocessor.  
Digital timer from 0 to 99.59 minutes or infinite.  
Option to lower room temperature of 10°C.  
Cooling by Peltier technology
-  Ø10 mm hole on the top side to insert a thermometer or a probe



ICT - A

| Technical data            |     | ICT - A 52         | ICT - A 80         | ICT - A 120        |
|---------------------------|-----|--------------------|--------------------|--------------------|
| Capacity                  | l   | 52                 | 80                 | 120                |
| Min temperature           | °C  | 20                 | 20                 | 20                 |
| Max Temperature           | °C  | +80,0              | +80,0              | +80,0              |
| Display resolution        | °C  | 0,1                | 0,1                | 0,1                |
| Precisione 37             | °C  | ±0,4               | ±0,4               | ±0,4               |
| Cooling capacity          | W   | 70                 | 70                 | 70                 |
| Heating capacity          | W   | 250                | 300                | 350                |
| Included shelves          | No. | 2                  | 2                  | 2                  |
| Max no. of shelves        | No. | 6                  | 7                  | 8                  |
| Maximum load per shelf    | kg  | 20                 | 20                 | 20                 |
| Max instrument load       | kg  | 50                 | 75                 | 100                |
| Internal dimensions LxWxH | mm  | 390x350x390        | 450x400x450        | 500x470x520        |
| External dimensions LxWxH | mm  | 775x570x610        | 845x610x675        | 895x680x740        |
| Weight                    | kg  | 55                 | 60                 | 68                 |
| <b>Code</b>               |     | <b>720.2070.24</b> | <b>720.2070.26</b> | <b>720.2070.28</b> |

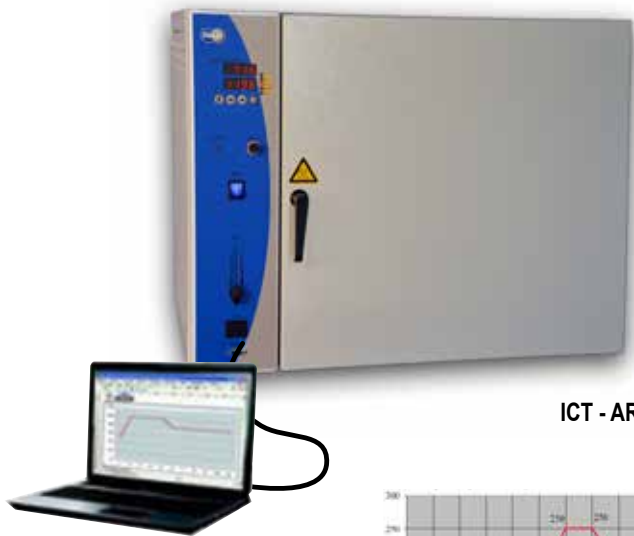
V/HZ 220/240-50/60

SAFETY CLASS 3.1

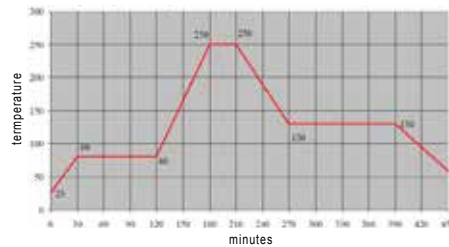
PROTECTION CLASS IP 42






# REFRIGERATED INCUBATORS

Incubators with ramps for precise thermostat applications



ICT - AR



-  External structure in steel sheet coated with antiacid epoxy powder. Inner chamber in stainless steel 18/8
-  Temperature control by microprocessor PID
-  Adjustable safety thermostat
-  Optimization of times
-  Ø10mm hole on the top side to insert a thermometer or a probe.  
Adjustable-speed ventilation (STF-F series)  
Programmable with ramps and serial interface RS 232.  
Working programs with 8 segments

## SOFTWARE PROGRAM

- USB converter included
  - Chart creation
  - Historical files record
- Code 720.3010.00**

| Technical data            |     | ICT - AR 52        | ICT - AR 80        | ICT - AR 120       |
|---------------------------|-----|--------------------|--------------------|--------------------|
| Capacity                  | l   | 52                 | 80                 | 120                |
| Min temperature           | °C  | 20                 | 20                 | 20                 |
| Max temperature           | °C  | +80                | +80                | +80                |
| Precision 37              | °C  | ±0,4               | ±0,4               | ±0,4               |
| Resolution                | °C  | 0,1                | 0,1                | 0,1                |
| Cooling power             | W   | 70                 | 70                 | 70                 |
| Heating power             | W   | 250                | 300                | 350                |
| Included shelves          | No. | 2                  | 2                  | 2                  |
| Max number of shelves     | No. | 6                  | 7                  | 8                  |
| Maximum load per shelf    | Kg  | 20                 | 20                 | 20                 |
| Max instrument load       | Kg  | 50                 | 75                 | 100                |
| Internal dimensions LxWxH | mm  | 390x350x390        | 450x400x450        | 500x470x520        |
| External dimensions LxWxH | mm  | 775x570x610        | 845x610x675        | 895x680x740        |
| Weight                    | kg  | 55                 | 60                 | 68                 |
| <b>Code</b>               |     | <b>720.2070.64</b> | <b>720.2070.66</b> | <b>720.2070.68</b> |

V/HZ 220/240-50/60

SAFETY CLASS 3.1

PROTECTION CLASS IP 42

# REFRIGERATED INCUBATORS

Refrigerated incubator 0°C ÷ 100°C



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



Fast and powerful refrigeration system.  
Working temperature from 0°C to 100°C.  
Sterilization Cycle (160°C per 2,5 hours)



RS-485 output  
Data management software, cable and serial USB adapter



ICT - C

| Technical data                       |      | ICT - C 52         | ICT - C 120        | ICT - C 240        |
|--------------------------------------|------|--------------------|--------------------|--------------------|
| Capacity                             | l    | 52                 | 114                | 223                |
| Temperature                          | °C   | 0 ÷ 100            | 0 ÷ 100            | 0 ÷ 100            |
| Display resolution                   | °C   | 0,1                | 0,1                | 0,1                |
| Temperature uniformity at            | 4°C  | 0,7°C              | 0,7°C              | 0,7°C              |
|                                      | 37°C | 0,5°C              | 0,5°C              | 0,5°C              |
| Temperature stability at             | 60°C | 1,0°C              | 1,0°C              | 1,0°C              |
|                                      | 37°C | 0,2°C              | 0,2°C              | 0,2°C              |
| Time for reaching the temperature at | 37°C | 5 minutes          | 6 minutes          | 6 minutes          |
|                                      | 44°C | 6 minutes          | 7 minutes          | 7 minutes          |
|                                      | 60°C | 6 minutes          | 8 minutes          | 8 minutes          |
| Included shelves                     | No.  | 2                  | 2                  | 2                  |
| Max number of shelves                | No.  | 6                  | 10                 | 18                 |
| Max load per shelf                   | kg   | 20                 | 20                 | 20                 |
| Max instrument load                  | kg   | 50                 | 70                 | 90                 |
| Internal dimensions LxWxH            | mm   | 400x356x390        | 500x456x500        | 500x456x980        |
| External dimensions LxWxH            | mm   | 526x579x910        | 626x679x1020       | 626x679x1500       |
| Capacity                             | W    | 1650               | 1650               | 2400               |
| Weight                               | kg   | 71                 | 88                 | 114                |
| <b>Code</b>                          |      | <b>720.2070.72</b> | <b>720.2070.74</b> | <b>720.2070.76</b> |

V/HZ 220/240-50/60

SAFETY CLASS 3,1

PROTECTION CLASS IP 42

## ACCESSORIES

### Shelves in chrome-plated steel

| Model | Code               |
|-------|--------------------|
| 52    | <b>720.2091.46</b> |
| 120   | <b>720.2091.47</b> |
| 240   | <b>720.2091.48</b> |

### Wheels

Code **720.2091.00**

### Electronic recorder

Code **720.3010.10**

### PT100 for temperature reading

Code **720.3010.11**

# REFRIGERATED INCUBATORS

High precision incubator with data recording



HPI



Insulation with smoke-proof, anti-dust and self-extinguishing insulator. Second glass door. Ethernet port



Setting temperature from 4°C to 50°C eco-friendly. Temperature is controlled by a double PID



Ideal for pharmaceutical companies



Software Review Data recording 50MB of integrated ash memory. Option to save data to USB. 1/4 VGA colour LCD display. Multilingual support (Italian, English, French, German and Spanish)

## Technical data

|                           |     | HPI         |
|---------------------------|-----|-------------|
| Capacity                  | l   | 100         |
| Temperature               | °C  | +4 ÷ +50    |
| Display resolution        | °C  | 0,01        |
| Precision                 | °C  | 0,2         |
| Uniformity                | °C  | 0,4         |
| Cooling capacity          | W   | 600         |
| Heating capacity          | W   | 600         |
| Included shelves          | No. | 2           |
| Max number of shelves     | No. | 9           |
| Max load per shelf        | Kg  | 20          |
| Max instrument load       | Kg  | 50          |
| Internal dimensions LxWxH | mm  | 495x370x495 |
| External dimensions LxWxH | mm  | 730x680x860 |

## Code

**720.2070.75**

V/HZ 220/240-50/60

SAFETY CLASS 3.1

PROTECTION CLASS IP 42



# REFRIGETARED INCUBATORS

## Refrigerated incubator with shaking function



Soft-Touch working panel for easy use.  
Option to change door opening direction  
(left or right)



Ideal for biotechnology laboratories and  
incubation of cell cultures.  
Incubator Hatch-Master with double shaking.  
Useful in laboratories of biotechnology, ideal for  
incubation of various types of cell cultures. The  
system thus combined ensures full control of  
temperature and movement of the shaker with  
good precision. Easy to program and option to  
set sequential operations.



Complete with a buzzer in case the set  
temperature is exceeded of +5° C.  
Double glass door for the inside control  
of the high-efficiency DC motor compartment



Two internal movement options  
- horizontal and orbital.  
Temperature control from 15 to 60 °C.  
Option to program the temperature increase  
with a software by a PC. Programming control  
system, equipped with audible alarm



Peltier thermoelectric system with digital control  
for high precision.  
Memory with protection in the event of power  
failure. PID Circuit for temperature stability  
control



HATCH MASTER

| Technical data                 | HATCH MASTER |                     |
|--------------------------------|--------------|---------------------|
| Temperature steadiness at 37°C | °C           | ± 1°                |
| Temperature precision at 37°C  | °C           | ± 0,2               |
| Temperatura range              | °C           | from 15 to 60       |
| Temperature calibration        | °C           | ± 5                 |
| Componen. hot/cold             |              | Peltier Effect Heat |
| Speed                          | rpm          | from 20 to 300      |
| Speed precision                | rpm          | from 300 to ± 5     |
| Displacement                   | mm           | 25                  |
| Tray dimensions WxD            | mm           | 250x90              |
| Maximum load                   | kg           | 3,5                 |
| Programmable timer             | min          | from 0-99h 59       |
| Program                        |              | programmed/manual   |
| Operation                      | No.          | 20                  |
| Colour display                 |              | VFD+Led             |
| External dimensions LxWxH      | mm           | 420x560x650         |
| Weight                         | kg           | 52                  |
| <b>Code</b>                    |              | <b>720.2060.00</b>  |

V/HZ 220/240-50/60

SAFETY CLASS 00

PROTECTION CLASS 00

### ACCESSORIES

Support for 2 flasks with 250 or 500 ml  
capacity. Model BYQ 6 H 60  
**Code 720.2060.02**

Universal spring support  
of 290x250 mm. Model BYQ 6012 E  
**Code 720.2060.04**

# REFRIGERATED

## Refrigerated thermostats for BOD applications



FTF



Temperature control through PID microprocessor and PT100 probe



External frame in steel sheet coated with epoxy powder. Internal structure in ABS, with no joints.



Cooling system controlled by an electronic valve



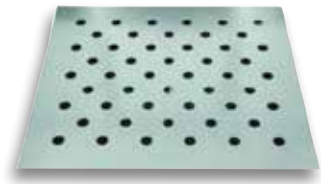
| Technical data                |     | FTF 90             | FTF 180            | FTF 220            |
|-------------------------------|-----|--------------------|--------------------|--------------------|
| Capacity                      | lt  | 54                 | 180                | 260                |
| Included Shelves              | No. | 2                  | 2                  | 5                  |
| Working temperature           | °C  | +4,0 ÷ +45,0       | +4,0 ÷ +45,0       | +4,0 ÷ +45,0       |
| Resolution                    | °C  | 0,1                | 0,1                | 0,1                |
| Precision                     | °C  | ±0,5               | ±0,5               | ±0,5               |
| Uniformity                    | °C  | ±1,0               | ±1,0               | ±1,0               |
| Capacity                      | W   | 120                | 130                | 450                |
| Compressor                    | HP  | 1/6                | 1/5                | 1/4                |
| Refrigerant Gas               |     | R134a              | R134a              | R134a              |
| Internal sockets 230V-50/60Hz | No. | 2                  | 2                  | 4                  |
| Inner dimensions LxWxH        | mm  | 450x270x448        | 430x500x680        | 470x470x1200       |
| External dimensions LxWxH     | mm  | 540x540x650        | 593x620x832        | 600x600x1850       |
| <b>Code</b>                   |     | <b>720.2072.09</b> | <b>720.2072.18</b> | <b>720.2072.22</b> |

V/HZ 220/240-50/60

SAFETY CLASS 0

PROTECTION CLASS IP 42

# ACCESSORIES

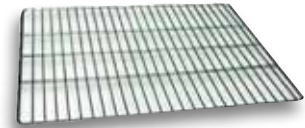


Perforated helves in aluminium

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

Perforated shelves in stainless steel for STF-ICT8

|              |             |             |             |             |             |             |
|--------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 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 |



## Tavolo portastufe

In anodised 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) | [falcinstruments.it](http://falcinstruments.it)