

# Thermostatically controlled incubators



## Incubators with glass / standard door

### Highlights

- Backlit Display
- 2 °C to 40 °C
- Adjustable in steps of 0.1 °C
- 20 °C BOD determination
- 4 °C Storage of waste water samples
- 25 °C Enzyme activity (TTC test)
- 37 °C Colony count

### Applications

- BOD-Measurement
- Microbiological Research
- Food Industry
- Dairies
- Laboratories
- Research Centres
- Universities

## Models with standard door

### ET 618-4 type 180

3 metal racks + 1 bottom grid + 4 sockets  
 Consumption: 1.35 kWh / 24h\*  
 I. D. (approx.): 700 H x 515 D x 430 W mm  
 Net capacity: approx. 135 l  
 O. D. (approx.):  
 850 H x 600 D x 600 Wmm with work top  
 820 H x 600 D x 600 Wmm without work top  
 Suitable for built under applications  
 Weight: approx. 39.0 kg  
 Order code: 2 42 82 00

### ET 626-5 type 260

4 metal racks + 1 bottom grid + 5 sockets  
 Consumption: 1.39 kWh / 24h\*  
 I. D. (approx.): 1045 H x 515 D x 415 W mm  
 Net capacity: approx. 195 l  
 O. D. (approx.): 1216 H x 600 D x 600 W mm  
 Weight : approx. 49.0 kg  
 Order code: 2 42 82 20

### ET 636-6 type 360

5 metal racks + 1 bottom grid + 6 sockets  
 Consumption: 1.20 kWh / 24h\*  
 I. D. (approx.): 1450 H x 515 D x 415 W mm  
 Net capacity: approx. 280 l  
 O. D. (approx.): 1590 H x 600 D x 600 W mm  
 Weight : approx. 64.5 kg  
 Order code: 2 42 82 30

### ET 650-8 type 500

5 metal racks + 1 bottom grid + 8 sockets  
 Consumption: 1.59 kWh / 24h\*  
 I. D. (approx.): 1300 H x 652 D x 515 W mm  
 Net capacity: approx. 395 l  
 O. D. (approx.): 1516 H x 752 D x 710 W mm  
 Weight : approx. 79.5 kg  
 Order code: 2 42 82 40

\* Ambient temperature 25 °C  
 Target temperature 20 °C

## Models with glass door

### ET 619-4 type 180

3 metal racks + 1 bottom grid + 4 sockets  
 Consumption: 1.77 kWh / 24h\*\*  
 I. D. (approx.): 700 H x 515 D x 443 W mm  
 Net capacity: approx. 140 l  
 O. D. (approx.): 885 H x 600 D x 600 W mm  
 Weight: approx. 50.0 kg  
 Order code: 2 42 82 10

### ET 627-5 type 260

4 metal racks + 1 bottom grid + 5 sockets  
 Consumption: 1.74 kWh / 24h\*\*  
 I. D. (approx.): 1045 H x 515 D x 415 W mm  
 Net capacity: approx. 195 l  
 O. D. (approx.): 1216 H x 600 D x 600 W mm  
 Weight : approx. 66.5 kg  
 Order code: 2 42 82 25

### ET 637-6 type 360

5 metal racks + 1 bottom grid + 6 sockets  
 Consumption: 2.05 kWh / 24h\*\*  
 I. D. (approx.): 1450 H x 515 D x 415 W mm  
 Net capacity: approx. 280 l  
 O. D. (approx.): 1590 H x 600 D x 600 W mm  
 Weight : approx. 82.0 kg  
 Order code: 2 42 82 35

### ET 651-8 type 500

5 metal racks + 1 bottom grid + 8 sockets  
 Consumption: 1.97 kWh / 24h\*\*  
 I. D. (approx.): 1300 H x 652 D x 515 W mm  
 Net capacity: approx. 395 l  
 O. D. (approx.): 1516 H x 752 D x 710 W mm  
 Weight : approx. 98.5 kg  
 Order code: 2 42 82 45

\*\* Ambient temperature 25 °C  
 Target temperature 20 °C  
 with interior lighting switched on (15 W)

## Technical Data

<b>Design</b>	Fully insulated cabinet with universal temperature control unit
<b>Models with glass door</b>	Insulating glass door in an ABS frame
<b>Operation</b>	Splash-proofed keypad, 2 buttons with tactile feedback
<b>Control range</b>	+ 2 °C to + 40 °C, steps of 0.1 °C
<b>Climate class</b>	+ 10 °C to + 32 °C,
<b>Temperature tolerance</b>	± 1 °C, specified for a stirred 500 ml water sample. For BOD (T=20 °C ±0,5 °C)
<b>Display</b>	Backlit LED display Resolution 0.1 °C
<b>Fan</b>	Radial, output 320 m³/h
<b>Cooling/Heating</b>	Integrated powerful cooling and heating
<b>Power supply</b>	230 V / 50 Hz
<b>Sockets</b>	CEE 7/5, type E with hinged lid 230 V / 16 A 2p + E, IP 44
<b>Coolant</b>	R134a
<b>Approval</b>	CE

## Temperature control unit

The temperature control unit fulfills the EMC requirements according IEC 61326 : Electrical equipment for measurement, control and laboratory use.



## Space for BOD-OxiDirect®-systems

Model	Systems, standard <sup>1)</sup>	Systems, comfort <sup>2)</sup>
ET 618-4/619-4	3	2
ET 626-5/627-5	5	2
ET 636-6/637-6	9	4
ET 650-8/651-8	12	8

<sup>1)</sup> Change of bottles **by** removing racks.

<sup>2)</sup> Change of bottles **without** removing racks.

# Spark-free cabinets



Contents not supplied

Laboratory cabinets  
with a spark-free  
interior

## Highlights

- Spark-free according to BGR 120
- 2 °C to 10 °C
- Continuously adjustable
- Robust materials
- Lockable

## Applications

- Laboratories
- Research Centres
- Universities

## ET 718/EX, type 180

230 V / 50 Hz, power consumption max. 120 Watts
Consumption: 0.9 (kWh/24h)
Temperature regulation: continuous 2 °C to 10 °C
Lockable door, changeable door stop
4 storage levels (3 height-adjustable glass shelves)
I. D. (approx.): 700 H x 515 W x 443 D mm
Net capacity: approx. 150 l
O. D. (approx.): 886 H x 600 W x 600 D mm
Weight: approx. 37.0 kg
Order code: 2 42 21 00

## ET 726/EX, type 260

230 V / 50 Hz, power consumption max. 140 Watts
Consumption: 1.0 (kWh/24h)
Temperature regulation: continuous 2 °C to 10 °C
Lockable door, changeable door stop
5 storage levels (4 height-adjustable glass shelves)
I. D. (approx.): 1045 H x 515 W x 415 D mm
Net capacity: approx. 210 l
O. D. (approx.): 1216 H x 600 W x 600 D mm
Weight : approx. 46.5 kg
Order code: 2 42 21 10

## ET 736/EX, type 360

230 V / 50 Hz, power consumption max. 150 Watts
Consumption: 1.1 (kWh/24h)
Temperature regulation: continuous 2 °C to 10 °C
Lockable door, changeable door stop
6 storage levels (5 height-adjustable glass shelves)
I. D. (approx.): 1450 H x 515 W x 415 D mm
Net capacity: approx. 295 l
O. D. (approx.): 1590 H x 600 W x 600 D mm
Weight : approx. 62.0 kg
Order code: 2 42 21 20

## ET 750/EX, type 500

230 V / 50 Hz, power consumption max. 150 Watts
Consumption: 1.1 (kWh/24h)
Temperature regulation: continuous 2 °C to 10 °C
Lockable door, changeable door stop
6 storage levels (5 height-adjustable glass shelves)
I. D. (approx.): 1300 H x 652 W x 515 D mm
Net capacity: approx. 425 l
O. D. (approx.): 1516 H x 752 W x 710 D mm
Weight: approx. 77.0 kg
Order code: 2 42 21 30

## Technical data

<b>Cooling</b>	Powerful compressor unit, mounted on low noise, vibration-free bearings
<b>Coolant</b>	R600a
<b>Defrost</b>	Automatic defrost - condensation drains into a collection bowl within the refrigerator
<b>Temperature</b>	2 °C to 10 °C
<b>Climate class</b>	10 °C to 32 °C,
<b>Power supply</b>	230 V / 50 Hz
<b>Height adjustment</b>	Adjustable front feet
<b>EMV interference signal</b>	EN 50 081-1
<b>EMV interference resistance</b>	EN 50 081. EN 50 082-2
<b>Approval</b>	CE
<b>EX-safety</b>	Spark-free interior

## Accessory

White safety- and collecting tub (PP), volume 10 litres

I. D.: 300 L x 400 W mm

O. D.: 420 L x 520 W x 120 H mm

Order code: 42 21 50

## Glass Shelves

**Glass shelves for Laboratory cabinets EX,**

Type 180, 260, 360

Order code: 42 21 60

**Glass shelves for Laboratory cabinets EX,**

Type 500

Order code: 42 21 61

The German BGR 120 guideline for laboratories stipulates that interior spaces must be explosion-protected where hazardous, explosive atmospheres can develop (for example, due to the presence of flammable liquids).

The Lovibond® cabinets in the EX range meet the requirements of this guideline and are fully equipped for daily laboratory use.

The carcass consists of a sturdy sheet steel housing with impact-proof and jolt-resistant powder coating.

The robust interior is made of high-strength white plastic material (PS).

The door is lockable and supplied with a right-hand hinge as standard (but can easily be converted to a left-hand hinge). A tight door seal is ensured by an all-round magnetic gasket.

The temperature in the refrigerator can be continuously adjusted over the range +2°C to +10°C; a room thermostat ensures constant control.



The appliance complies with the relevant safety regulations and EC directives 2004/108/EC, 2006/95/EC and ATEX 94/9/EC (IEC 60079-15, IEC 60079-0, EN 1127-1).