

# Spark-free cabinets - EX series



Contents not supplied

## Laboratory cabinets with a spark-free interior

### Highlights

- Spark-free according to BG-I 850-0
- Dynamic cooling system
- 1 °C to 15 °C, continuously adjustable
- Digital temperature display
- High energy efficiency
- Robust materials
- Lockable

### Applications

- Laboratories
- Research Centres
- Universities

## EX 160

220 - 240 V ~ / 1 A
Consumption: 0.898 kWh / 24 h
Temperature regulation: continuous 1 °C to 15 °C
Lockable door, changeable door stop
4 storage levels (3 height-adjustable glass shelves)
I. D. (approx.): 513 W x 441 D x 702 H mm
Net capacity: approx. 160 l
O. D. (approx.): 600 W x 600 D x 860 H x mm
Weight: approx. 40.0 kg
Order code: 2 42 21 05

## EX 220

220 - 240 V ~ / 1 A
Consumption: 0.786 kWh / 24 h
Temperature regulation: continuous 1 °C to 15 °C
Lockable door, changeable door stop
5 storage levels (4 height-adjustable glass shelves)
I. D. (approx.): 470 W x 440 D x 1062 H mm
Net capacity: approx. 220 l
O. D. (approx.): 600 W x 610 D x 1250 H x mm
Weight: approx. 53.0 kg
Order code: 2 42 21 15

## EX 300

220 - 240 V ~ / 1,5 A
Consumption: 0.947 kWh / 24 h
Temperature regulation: continuous 1 °C to 15 °C
Lockable door, changeable door stop
6 storage levels (5 height-adjustable glass shelves)
I. D. (approx.): 470 W x 440 D x 1452 H mm
Net capacity: approx. 300 l
O. D. (approx.): 600 W x 610 D x 1640 H mm
Weight: approx. 64.0 kg
Order code: 2 42 21 25

## EX 490

220 - 240 V ~ / 1,5 A
Consumption: 0.983 kWh / 24 h
Temperature regulation: continuous 1 °C to 15 °C
Lockable door, changeable door stop
6 storage levels (5 height-adjustable glass shelves)
I. D. (approx.): 600 W x 560 D x 1452 H mm
Net capacity: approx. 490 l
O. D. (approx.): 750 W x 730 D x 1640 H mm
Weight: approx. 84.0 kg
Order code: 2 42 21 35

## 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>	1 °C to 15 °C
<b>Climate class</b>	EX 160: SN, 10 °C to 32 °C EX 220, EX 300, EX 490: SN-T, 10 °C to 43 °C
<b>Lock</b>	existing
<b>Power supply</b>	230 V / 50 Hz
<b>Height adjustment</b>	Adjustable front feet
<b>Approval</b>	CE
<b>EX-safety</b>	Spark-free interior

The product complies with the following european directives and regulations: 2006/42/EC, 2006/95/EC, 94/9/EC, 2004/108/EC, 2011/65/EU.

## Accessories

**Safety- and collecting tub (PP) for EX 160**  
Order code: 42 21 55

**Safety- and collecting tub (PP) for EX 220, 300**  
Order code: 42 21 56

**Safety- and collecting tub (PP) for EX 490**  
Order code: 42 21 57

**Glass shelves for EX 160**  
Order code: 42 21 65

**Glass shelves for EX 220, 300**  
Order code: 42 21 66

**Glass shelves for EX 490**  
Order code: 42 21 67

The German guidelines „Working Safely in Laboratories BG-I 850-0“ 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 these guidelines and are fully equipped for daily laboratory use.

The cabinet consist of a sturdy sheet steel housing with impact-proof and jolt-resistant powder coating. Improved, robust, insulated housing and highly efficient components provide maximum energy efficiency.

The robust interior is made of high-quality, strong 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 +1°C to +15°C; a room thermostat ensures constant control. The digital temperature display enables the interior temperature to be easily read. The high performance fan provides for an even temperature distribution inside.

The models EX 220, EX 300 and EX 490 have a "fan stop" function, which switches the fan off when the door is opened.