

Spark-free cabinets - EX series

Laboratory cabinets
with a spark-free interior



Contents not supplied

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 consists 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.

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. 41.0 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

Cooling	Powerful compressor unit, mounted on low noise, vibration-free bearings
Coolant	R600a
Defrost	Automatic defrost - condensation drains into a collection bowl within the refrigerator
Temperature	1 °C to 15 °C
Sound Power Level	47 dB
Climate class	EX 160: SN, 10 °C to 32 °C EX 220, EX 300, EX 490: SN-T, 10 °C to 43 °C
Lock	existing
Power supply	220 - 240 V / 50 Hz
Height adjustment	Adjustable front feet
Approval	CE
EX-safety	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.

Spares

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