

# Refrigerator

## SMART-Lab™

Laboratory  
Blood bank  
Pharmaceutical

**NEW**

# Anytime - Anywhere connected laboratory



### SMART-Lab™ controller

7" touch screen  
WiRe™ App service (remote control)  
push alarm service  
and many more...



### Door locking system

for safe storage of all probes



### Forced-air refrigeration

superior temperature

### Auto-defrost system



### Shelves

easy storage and classification  
of samples in the refrigerator  
convenient for cleaning and  
maintenance processes due to  
PTFE-coating



### Castors for easy movement



## Laboratory refrigerator



- Smart-Lab™ Steuerung
- 0°C - +10°C
- 620 l or 1,140 l
- 6 / 12 shelves (acc. to model)
- wire shelves

## Blood bank



- 0°C - +10°C
- 620 l or 1,140 l
- perforated drawer shelves

## Pharmaceutical refrigerator



- 0°C - +10°C
- 620 l or 1,140 l
- PTFE-coated wire shelves

## SMART-Lab™



- full touch screen TFT LCD:
- WiRe™ app service, remote control system
- variable program settings
- self-diagnosis and interactive temperature graph
- automatic data recording and password protection
- data transfer to PC by USB memory
- digital calibration (offset function)
- min-/max-temperature memory & program function
- push-alarm service to smartphone or tablet PC

more information on page 8 - 11

# Refrigerator

**NEW**

Laboratory refrigerator, Smart-Lab™ controller, 0-10°C, PTFE-coated wire shelves



PTFE-coated shelves



SMART-Lab™ controller



WiRe™ app service

## LR laboratory, PTFE-coated shelves

### Ideal for:

- laboratory refrigeration

### Features:

- CFC free refrigerant (R-404A)
- intelligent control of refrigerator for preventing overload of compressor
- pre-set points to warn of temperature deviation at +5.5°C or -1.5°C
- built-in battery for power failure alarm
- automatic condensate removal, no drain line required
- PTFE-coated wire shelves (6 or 12 acc. to model)
- stainless steel interior and powder-coated steel body
- optional built-in chart recorder & remote alarm system
- double fold tempered glass window
- castors for easy movement
- CE certified and unique serial number for tracing

### Safety mechanism:

- overheat and over-current protection
- push alarm service to your smartphone
- sensor error detection
- door locking system
- door open error
- door ajar and power failure alarm

### Controller:

- **Smart-Lab™ controller** with 7" full touch screen TFT LCD:
  - ◆ WiRe™ app service, remote control system
  - ◆ variable program settings
  - ◆ self-diagnostic function
  - ◆ automatic data recording
  - ◆ data transfer to PC by USB memory
  - ◆ Internet connectivity with WiFi



LR-1000 with 12 PTFE-coated shelves (included)

LR-600 with 6 PTFE-coated shelves (included)

Model	SmartLab™ laboratory refrigerator	
	LR-600	LR-1000
Capacity	620 l	1140 l
Temperature range & sensor	0°C - +10°C (at 30°C room temperature & 30% humidity), PT 100 sensor	
Temperature resolution	control: ±1.0°C, display: ±1.0°C	
Compressor	250 W	
Evaporator	auto exchange dual evaporator	
Defrost & circulation	automatic defrost and melt water evaporation, dual turbo fan forced-air circulation	
Shelves	6 x PTFE-coated steel wire shelves, height adjustable	12 x PTFE-coated steel wire shelves, height adjustable
Internal dimensions (W x D x H)	620 x 700 x 1430 mm	1140 x 700 x 1430 mm
External dimensions (W x D x H), net weight	740 x 805 x 1930 mm, 134 kg	1260 x 805 x 1930 mm, 208 kg
Packing size (W x D x H), gross weight	1000 x 900 x 2140 mm, 184 kg	1510 x 1240 x 2200 mm, 278 kg
Power supply	1 Phase AC 120V, 60 Hz or AC 230V, 50/60 Hz	
Power consumption	650 W	750 W
Order number 230V	DH.RefL0600	DH.RefL1000
Order number 120V	DH.RefL0601	DH.RefL1001

Accessories: Suitable shelves can be found on page 96

**NEW**

# Refrigerator

Blood bank or pharmaceutical refrigerator, 0-10°C, drawer- or wire shelves



## BR Blood bank, drawer shelves

## PR Pharm. refrigerator, wire shelves

**Ideal for:**

- blood bank- & pharmaceutical refrigeration

**Features:**

- CFC free refrigerant (R-404A)
- intelligent control of refrigerator for preventing overload of compressor
- built-in battery for power failure alarm
- automatic condensate removal, no drain line required
- wire shelves for PR-models (6 or 12 pcs. acc. to model)
- drawer shelves for BR-model (6 or 12 pcs. acc. to model)
- stainless steel interior and powder-coated steel body
- optional built-in chart recorder & remote alarm system
- double fold tempered glass window
- castors for easy movement
- CE certified and unique serial number for tracing

**Safety mechanism:**

- overheat and over-current protection
- sensor error detection
- door locking system
- power failure alarm

**Controller:**

- *digital PID controller*



Model	Blood bank refrigerator		Pharmaceutical refrigerator	
	BR-600	BR-1000	PR-600	PR-1000
Capacity	620 l	1140 l	620 l	1140 l
Temperature range & sensor	0°C - +10°C (at 30°C room temperature & 30% humidity), PT 100 sensor			
Temperature resolution	control: 1.0°C, display: 1.0°C			
Compressor	250 W			
Evaporator	auto exchange dual evaporator			
Defrost & circulation	automatic defrost and melt water evaporation, dual turbo fan forced-air circulation			
Shelves	6 x drawer shelves	12x drawer shelves	5 x wire shelves	10x wire shelves
Internal dimensions (W x D x H)	620 x 700 x 1430 mm	1140 x 700 x 1430 mm	620 x 700 x 1430 mm	1140 x 700 x 1430 mm
External dimensions (W x D x H), net weight	740 x 805 x 1930 mm, 134 kg	1260 x 805 x 1930 mm, 208 kg	740 x 805 x 1930 mm, 134 kg	1260 x 805 x 1930 mm, 208 kg
Power supply	1 Phase AC 120V, 60 HZ or AC 230V, 50/60 Hz			
Power consumption	650 W	750 W	650 W	750 W
Order number 230V	DH.RefB0600	DH.RefB1000	DH.RefP0600	DH.RefP1000
Order number 120V	DH.RefB0601	DH.RefB1001	DH.RefP0601	DH.RefP1001

Accessories: Suitable shelves can be found on page 96