Scala *Scientific*

Slimline

Laboratory
Refrigerators and Freezers

Slimline Series

The Slimline laboratory refrigerators and freezers offer a wide rangeof configurations ranging from routine laboratory applications up to high demanding storage protocols for blood banking. Temperature ranges which are available:
LR serie + 1ºC / + 8ºC
LF serie -18ºC / -22ºC
BB serie + 4ºC

Temperature uniformity and recovery:
All temperature configurations offer forced air circulation by internal fans to ensure superior temperature uniformity and fast temperature recovery. Our line is available in several storage capacities: 130 liter (undercounter / benchtop), 610 liter (single door upright) and 1325 liter (double door upright).

The philosophy behind our Refrigerator and Freezer line is to offer the safest environment for your products by using our UltraSafe® temperature control system in combination with the circulating forced air.

Slimline performance features:
● Standard stainless steel interior
● Microprocessor control with digital display / controller;
● Adjustable temperature set points;
● High temperature alarm;
● Low temperature alarm;
● Date, time, alarm buzzer;
● Infrared data transmission;
● Dry contact for remote alarm;
● Door open alarm;
● Unique tracebility of alarms with storage history of last 20 alarm events;
● Auto switch off fan when door opens;
● Chamber with rounded corners for easy cleaning;
● 60 mm of CFC-free polyurethane foam insulation;
● Always pass through standard doors because of Slimline design: only 80 cm wide and 198 cm high;
● Standard fitted with heavy duty double-roll casters for easy transportation (lockable);
● Flexible storage: you can mix drawers, grids and shelves in one cabinet without any internal modifications.

Refrigerators - LR serie

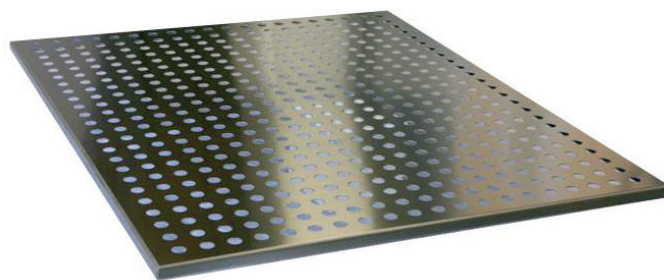| Model:	LR130(G)	LR700(G)	LR1400(G)
Capacity	130 liter	670 liter	1325 liter
Doors	1 stainless steel door (G for glass door)	1 stainless steel door (G for glass door)	2 stainless steel doors (G for glass door)
Door Locks	1	1	1
Air circulation	forced air circulation by inner fan	forced air circulation by inner fan	forced air circulation by inner fan
Temperature Range	+1ºC to +8ºC (factory set on +4ºC)	+1ºC to +8ºC (factory set on +4ºC)	+1ºC to +8ºC (factory set on +4ºC)
Temperature precision	+/- 0.5ºC	+/- 0.5ºC	+/- 0.5ºC
Temperature stability	+/- 1 ºC	+/- 1 ºC	+/- 1 ºC
Temperature uniformity	+/- 2ºC	+/- 2ºC	+/- 2ºC
Microprocessor	adjustable set-point, high alarm, low alarm (audible, visual and remote alarm)	adjustable set-point, high alarm, low alarm (audible, visual and remote alarm)	adjustable set-point, high alarm, low alarm (audible, visual and remote alarm)
Ext.dimensions W x D x H	LR130: 630 x 567 x 850 LR130G: 630 x 567 x 850	LR700: 710 x 807 x 1998 mm LR700G: 710 x 845 x 1998 mm	LR1400: 1420 x 807 x 1998 mm LR1400G: 1420 x 845 x 1998 mm
Internal dimensions W x D x H	540 x 415 x 460 mm	590 x 675 x 1470 mm	1300 x 675 x 1470 mm
Shelves	2 stainless steel perforated shelves (max 5)	3 adjustable grids (max 16)	6 adjustable grids (max 32)
Cabinet material	stainless steel inside	stainless steel inside	stainless steel inside
Insulation	60 mm non-CFC, foamed polyurethane	60 mm non-CFC, foamed polyurethane	60 mm non-CFC, foamed polyurethane
Certification	CE certified	CE certified	CE certified
Electrical	220-240V, 50/60* Hz	220-240V, 50/60* Hz	220-240V, 50/60* Hz

Freezers - LF serie

Model:	LF130	LF700	LF1400
Capacity	130 liter	670 liter	1325 liter
Doors	1 stainless steel door	1 stainless steel door	2 stainless steel doors
Door Locks	1	1	1
Air circulation	forced air circulation by inner fan	forced air circulation by inner fan	forced air circulation by inner fan
Temperature Range	-18ºC to -22ºC (factory set on -20ºC)	-18ºC to -22ºC (factory set on -20ºC)	-18ºC to -22ºC (factory set on -20ºC)
Temperature precision	+/- 0.5ºC	+/- 0.5ºC	+/- 0.5ºC
Temperature stability	+/- 1 ºC	+/- 1 ºC	+/- 1 ºC
Temperature uniformity	+/- 2ºC	+/- 2ºC	+/- 2ºC
Microprocessor	adjustable set-point, high alarm, low alarm (audible, visual and remote alarm)	adjustable set-point, high alarm, low alarm (audible, visual and remote alarm)	adjustable set-point, high alarm, low alarm (audible, visual and remote alarm)
Ext.dimensions W x D x H	LF130: 630 x 567 x 850 LF130G: 630 x 567 x 850	LF700: 710 x 807 x 2018 mm LF700G: 710 x 845 x 2018 mm	LF1400: 1420 x 807 x 2018 mm LF1400G: 1420 x 845 x 2018 mm
Internal dimensions W x D x H	540 x 415 x 460 mm	590 x 675 x 1470 mm	1300 x 675 x 1470 mm
Shelves	2 stainless steel perforated shelves (max 5)	3 adjustable grids (max 16)	6 adjustable grids (max 32)
Cabinet material	stainless steel inside	stainless steel inside	stainless steel inside
Insulation	60 mm non-CFC, foamed polyurethane	60 mm non-CFC, foamed polyurethane	60 mm non-CFC, foamed polyurethane
Certification	CE certified	CE certified	CE certified
Electrical	220-240V, 50/60* Hz	220-240V, 50/60* Hz	220-240V, 50/60* Hz

Options & Accessories

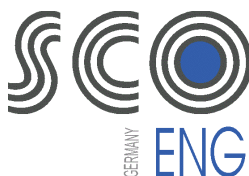|		
GR150	additional grid (including pair of guides) maximum 16 grids in 700 and 32 grids in 1400 series	LR700(G), LR1400(G), LF700, LF1400
SSPP130	stainless steel perforated shelve LabMini(including pair of guides) Maximum 5 shelves in LabMini cabinets	LR130(G), LF130
SSPP150	stainless steel perforated shelve (including pair of guides) maximum 16 shelves in 700 and 32 shelves in 1400 series	LR700(G), LR1400(G), LF700, LF1400,
DR130	stainless steel roll-our drawer LabMini (including pair of guides) maximum 3 drawers in LabMini cabinets	LR130(G), LF130
DR150	stainless steel roll-our drawer (including pair of guides) maximum 8 drawers in 700 and 16 drawers in 1400 series	LR700(G), LR1400(G), LF700, LF1400,
DV44	flexible divider kit for DR150 drawer creating 4 compartments with 2 flexible dividers each	
IN02M	2 separate inner doors of Lexan® material for LabMini	LR130(G) LF130
IN02	2 separate inner doors of Lexan® material for Slimlines	LR700(G), LR1400(G) LF700, LF1400
IN04	4 separate inner doors of Lexan® material for Slimlines	
IN06	6 separate inner doors of Lexan® material for Slimlines	
INL100	lock option for Lexan® inner doors	
ST100	sample throughput with hole (18 mm inner diam) with stopper	
PS050	vapour proof power socket (single)	
PS100	vapour proof power socket (double)	
PT100PS	separate PT100 (installed inside cabinet (buffered solution)	
WC200	water cooled condenser option for Slimline Series	
IQOQ200	factory filled in IQ/OQ protocol package Slimline series	
NRS100	natural refrigerant option Slimline unit	
RA100	compressor / condenser alarm with battery (audible and visual alarm)	
RA200	power failure alarm with battery (audible and visual alarm)	

drawer with divider kit DV44

stainless steel perforated shelves

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