

Meeting high safety requirements at low temperatures.

Liebherr's ultra-low temperature freezers (ULT) are the gold standard in the -40°C to -86°C temperature range, offering the safety, performance and ease of use needed to meet the demands of your facilities. Take advantage of their low operating costs, sustainable cooling, large interiors with practical features and many safety functions, and place your trust in our extensive experience as experts in cooling and freezing.



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Ultra-low temperature freezers	SUFsg5001 MediLine	SUFsg7001 MediLine
Total gross/net capacity l (cu.ft.)	491/477 (17.3/16.8)	728/700 (25.7/24.7)
Exterior dimensions in mm (w/d/h) inches (w/d/h)	921/985/1966 36 1/4" / 38 3/4" / 77 3/8"	1110/985/1966 43 11/16" / 38 3/4" / 77 3/8"
Interior dimensions in mm (w/d/h) inches (w/d/h)	586/605/1300 23 1/16" / 23 13/16" / 51 3/16"	890/590/1300 35 1/16" / 23 1/4" / 51 3/16"
Ambient temperature in °C (°F)	+16°C to +32°C (61°F to 90°F)	+16°C to +32°C (61°F to 90°F)
Heat output/system	1188 kJ/h/air cooling	1188 kJ/h/air cooling
Refrigerant	R290/R170	R290/R170
Sound rating **	47 dB(A)	47 dB(A)
Connection rating	11.7 A/1.4 kW	11.7 A/1.4 kW
Frequency/voltage	60 Hz/120V~ and 60Hz/208-240V~	60 Hz/120V~ and 60Hz/208-240V~
Temperature range in °C (°F)	-40°C to -86°C (-40°F to -123°F)	-40°C to -86°C (-40°F to -123°F)
External cabinet finish	steel/white	steel/white
Door/lid material	steel	steel
Internal liner material	stainless steel	stainless steel
Type of control	electronic control	electronic control
Temperature display	external digital	external digital
Interface	LAN (Ethernet)	LAN (Ethernet)
Volt-free alarm contact	yes	yes
Data logger	integrated, USB interface	integrated, USB interface
Power failure alarm	immediate with power cut for 72 h	immediate with power cut for 72 h
Cooling system	static	static
Refrigeration +22°C to -80°C	360 min	450 min
Warming - 80°C to -60°C / to 0°C	230 min/2160 min	250 min/2220 min
Number/Max. number of shelves	4/13	4/13
Shelf material	stainless steel	stainless steel
Shelf load weight in kg (lbs)	50 (110.2)	50 (110.2)
Number of racks per drawer	4	6
Max. number of cryo boxes 50 mm / 75 mm	352/224	528/336
Castors	castors with brake at the front, fixed castors at the rear	castors with brake at the front, fixed castors at the rear
Replaceable door seal	yes	yes
Sensor Performance	2 x Ø 28 mm	2 x Ø 28 mm
Lock	yes	yes
Door Hinge	right, not reversible	right, not reversible
Gross/net weight in kg (lbs)	280/247 kg (617.2/544.5)	330/288 kg (727.5/634.9)

** Average sound pressure level at 1m distance.