

So-Low Ultra Low Freezers

Temperature Ranges
-40°C to -85°C



MEDICAL RESEARCH | INDUSTRIAL USE | COLD STORAGE | LAB TESTING | LIFE SCIENCES

Dependable Operation by Design

Manufactured at our facility in Cincinnati Ohio USA, So-Low's Low Temperature Freezers to -85°C are produced with heavy-duty 16 gauge cold-rolled steel exterior, and a galvanized, non-corrosive steel interior. Reliable cascade refrigeration system, using two large hermetic compressors, provides a quick pull-down to operating temperature.

Digital Control with Alarm System

Digital temperature control, with dual display and adjustable temperature range. Control is powered by battery backup during power failure. Alarm system will activate with temperature warm-up or loss of power.

Automatic Starting System for Power Failure

Freezer has an automatic timer system that will automatically restart the unit when power is restored.

Electrical Approval

So-low Freezers are (ETL) listed and conform to UL Standard 61010-1. Canada/CSA Standard C 22.2 No. 51010-1.

GENERAL SPECIFICATIONS

Technical problems serviced by a
Nation-Wide-Network of service companies.

MODEL NUMBER	CAPACITY (CU FT / LITERS)	TEMPERATURE RANGE	INTERIOR DIMENSIONS W x F-B x H	EXTERIOR DIMENSIONS W x F-B x H	NEMA ELECTRICAL CONFIGURATIONS	UNIT WEIGHT
UPRIGHT VERTICAL TO -85°C						
U85-13	13 / 370	-40°C to -85°C	20" x 22" x 51.25"	36" x 33.5" x 79.5"	5-20 6-20	675 LBS
U85-18	18 / 505	-40°C to -85°C	23" x 26" x 51.25"	36.5" x 36.5" x 79.5"	5-20 6-20	725 LBS
U85-22	22 / 626	-40°C to -85°C	28.5" x 26" x 51.25"	42" x 36.5" x 79.5"	5-20 6-20	800 LBS
U85-25	25 / 710	-40°C to -85°C	34" x 25" x 51.25"	49.5" x 36.5" x 79.5"	5-20 6-20	900 LBS
U80-28	28 / 792	-40°C to -80°C	38" x 25" x 51.25"	53" x 36.5" x 79.5"	5-20 6-20	950 LBS
U80-30	31 / 843	-40°C to -80°C	42" x 25" x 51.25"	59.5" x 36.5" x 79.5"	5-20 6-20	975 LBS

BENCHTOP VERTICAL TO -85°C

MV85-1	0.27 / 7	-60°C to -85°C	5.75" x 5.5" x 12"	15.75" x 25" x 26.25"	5-15	165 LBS
MV85-2	2 / 54	-40°C to -85°C	14" x 18" x 12.5"	23" x 27" x 32"	5-15	225 LBS
MV85-3	3 / 94	-40°C to -85°C	14" x 19.25" x 20.75"	37.5" x 28.5" x 32"	5-15	300 LBS

SO-LOW ENVIRONMENTAL EQUIPMENT CO

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Digital temperature control, with dual display and adjustable temperature range. Control is powered by battery backup during power failure. Alarm system will activate with temperature warm-up or loss of power.

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GENERAL SPECIFICATIONS

MODEL NUMBER	CAPACITY (CU FT / LITERS)	TEMPERATURE RANGE	INTERIOR DIMENSIONS W x F-B x H	EXTERIOR DIMENSIONS W x F-B x H	NEMA ELECTRICAL CONFIGURATIONS	UNIT WEIGHT
CHEST HORIZONTAL TO -85°C						
C85-2	2 / 56	0°C to -85°C	17" x 14" x 14"	25" x 26" x 38.5"	5-15 6-20	300 LBS
C85-3	3 / 83	0°C to -85°C	24" x 12" x 18"	34.5" x 26" x 47"	5-15 6-20	350 LBS
C85-5	5 / 142	0°C to -85°C	30" x 18" x 16"	40.5" x 32" x 47"	5-15 6-20	425 LBS
C85-9	9 / 255	0°C to -85°C	47" x 16" x 20"	58" x 29.5" x 47"	5-20 6-20	500 LBS
C85-12	12 / 340	0°C to -85°C	55" x 19" x 20"	66" x 32.5" x 48"	5-20 6-20	650 LBS
C85-14	14 / 400	0°C to -85°C	62" x 20" x 20"	73" x 34" x 48"	5-20 6-20	725 LBS
C85-17	17 / 480	0°C to -85°C	69" x 20" x 21"	81" x 34.5" x 49"	5-20 6-20	775 LBS
C80-21	21 / 594	0°C to -80°C	81" x 21.5" x 21"	91" x 36" x 49"	5-20 6-20	825 LBS
C85-22	22 / 626	0°C to -85°C	67" x 19" x 30"	98" x 36" x 44"	5-20 6-20	850 LBS
C80-27	27 / 766	0°C to -80°C	67" x 23" x 31"	98" x 36" x 44"	5-20 6-20	900 LBS

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So-Low Low Temp Freezers

Temperature Ranges
0°C to -40°C



MEDICAL RESEARCH | PHARMACEUTICAL | COLD STORAGE | CLINICAL TRIALS | LIFE SCIENCES

So-Low's Superior Construction

Manufactured at our facility in Cincinnati Ohio USA, So-Low's Low Temperature Freezers to -40°C are produced with high quality craftsmanship, heavy-duty materials, and over 60 years of experience. These freezers use a hermetic motor compressor refrigeration system, providing durable and reliable environmental conditions for your product's vital temperature requirements.

Electrical Approval

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UPRIGHT VERTICAL TO -40°C						
U40-13	13 / 370	0°C to -40°C	20" x 22" x 51.25"	36" x 33.5" x 79.5"	5-20 6-20	675 LBS
U40-18	18 / 505	0°C to -40°C	23" x 26" x 51.25"	36.5" x 36.5" x 79.5"	5-20 6-20	725 LBS
U40-22	22 / 626	0°C to -40°C	28.5" x 26" x 51.25"	42" x 36.5" x 79.5"	5-20 6-20	800 LBS
U40-25	25 / 710	0°C to -40°C	34" x 25" x 51.25"	49.5" x 36.5" x 79.5"	5-20 6-20	900 LBS
U40-28	28 / 792	0°C to -40°C	38" x 25" x 51.25"	53" x 36.5" x 79.5"	5-20 6-20	950 LBS
CHEST HORIZONTAL TO -40°C						
C40-2	2 / 56	0°C to -40°C	17" x 14" x 14"	25" x 26" x 38.5"	5-15 6-20	300 LBS
C40-3	3 / 83	0°C to -40°C	24" x 12" x 18"	34.5" x 26" x 47"	5-15 6-20	350 LBS
C40-5	5 / 142	0°C to -40°C	30" x 18" x 16"	40.5" x 32" x 47"	5-15 6-20	425 LBS
C40-9	9 / 255	0°C to -40°C	47" x 16" x 20"	58" x 29.5" x 47"	5-20 6-20	500 LBS
C40-12	12 / 340	0°C to -40°C	55" x 19" x 20"	66" x 32.5" x 48"	5-20 6-20	650 LBS
C40-14	14 / 400	0°C to -40°C	62" x 20" x 20"	73" x 34" x 48"	5-20 6-20	725 LBS
C40-17	17 / 480	0°C to -40°C	69" x 20" x 21"	81" x 34.5" x 49"	5-20 6-20	775 LBS
C40-21	21 / 594	0°C to -40°C	81" x 21.5" x 21"	91" x 36" x 49"	5-20 6-20	825 LBS
C40-22	22 / 626	0°C to -40°C	67" x 19" x 30"	98" x 36" x 44"	5-20 6-20	850 LBS
C40-27	27 / 766	0°C to -40°C	67" x 23" x 31"	98" x 36" x 44"	5-20 6-20	900 LBS

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So-Low Lab Chest Freezers

Temperature Ranges
-20°C to -45°C



MEDICAL RESEARCH | PHARMACEUTICAL | EPOXY STORAGE | CLINICAL TRIALS | LIFE SCIENCES

Performance testing is your assurance of So-Low Lab Freezers dependability.

Every freezer is fully tested under the most demanding conditions for seven days.

Digital temperature control, with dual display, adjustable temperature range, and battery backup.

Electrical Approval

So-low Freezers are (ETL) listed and conform to UL Standard 61010-1.

So-low Freezers are Canada/CSA Standard C 22.2 No. 51010-1.

GENERAL SPECIFICATIONS

Technical problems serviced by a
Nation-Wide-Network of service companies.

MODEL NUMBER	CAPACITY (CU FT / LITERS)	TEMPERATURE RANGE	INTERIOR DIMENSIONS W x F-B x H	EXTERIOR DIMENSIONS W x F-B x H	NEMA ELECTRICAL CONFIGURATIONS	UNIT WEIGHT
CHEST HORIZONTAL TO -25°C						
CH25-3	3.5 / 99	0°C to -25°C	15.75" x 17" x 25.87"	22" x 23.5" x 34"	5-15	150 LBS
CH25-5	5 / 142	0°C to -25°C	24" x 15.25" x 26"	29" x 24" x 33.63"	5-15	150 LBS
CH25-9	9 / 255	0°C to -25°C	33.5" x 17.5" x 27.5"	39" x 23.5" x 33.5"	5-15	195 LBS
CH25-15	15 / 424	0°C to -25°C	49.25" x 21.63" x 25.75"	55.5" x 29.75" x 34.38"	5-15	275 LBS
CH25-20	20 / 566	0°C to -25°C	67" x 21.5" x 25"	74" x 30" x 34"	5-15	300 LBS
CH25-25	25 / 707	0°C to -25°C	76.75" x 23.5" x 24.88"	83.25" x 32" x 33.75"	5-15	375 LBS
CHEST HORIZONTAL TO -40°C						
CH40-3	3.5 / 99	0°C to -40°C	15.75" x 17" x 25.87"	22" x 23.5" x 34"	5-15	150 LBS
CH40-5	5 / 142	0°C to -40°C	24" x 15.25" x 26"	29" x 24" x 33.63"	5-15	150 LBS
CH40-9	9 / 255	0°C to -40°C	33.5" x 17.5" x 27.5"	39" x 23.5" x 33.5"	5-15	195 LBS
CH40-15	15 / 424	0°C to -40°C	49.25" x 21.63" x 25.75"	55.5" x 29.75" x 34.38"	5-15	275 LBS
CH40-20	20 / 566	0°C to -40°C	67" x 21.5" x 25"	74" x 30" x 34"	5-15	300 LBS
CH40-25	25 / 707	0°C to -40°C	76.75" x 23.5" x 24.88"	83.25" x 32" x 33.75"	5-15	375 LBS
CHEST HORIZONTAL TO -45°C						
CH45-3	3.5 / 99	0°C to -45°C	15.75" x 17" x 25.87"	22" x 23.5" x 34"	5-15	150 LBS
CH45-5	5 / 142	0°C to -45°C	24" x 15.25" x 26"	29" x 24" x 33.63"	5-15	150 LBS

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Platinum Ultra Low Freezers

Temperature Ranges
-40°C to -85°C



MEDICAL RESEARCH | PHARMACEUTICAL | COLD STORAGE | CLINICAL TRIALS | LIFE SCIENCES

Advanced Touch Screen Interface

The Platinum Series Ultra Low Freezers come with an advanced PID control system. Freezers are controlled using a 4.3" full color touch screen display. Control is eye-level door mounted on upright style models. Temperature recording, downloadable via USB drive (CSV format), embedded SCADA, and LAN features.

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UPRIGHT VERTICAL TO -85°C						
NU85-13	13 / 370	-40°C to -85°C	20" x 22" x 51.25"	36" x 33.5" x 79.5"	5-20 6-20	675 LBS
NU85-18	18 / 505	-40°C to -85°C	23" x 26" x 51.25"	36.5" x 36.5" x 79.5"	5-20 6-20	725 LBS
NU85-22	22 / 626	-40°C to -85°C	28.5" x 26" x 51.25"	42" x 36.5" x 79.5"	5-20 6-20	800 LBS
NU85-25	25 / 710	-40°C to -85°C	34" x 25" x 51.25"	49.5" x 36.5" x 79.5"	5-20 6-20	900 LBS
NU80-28	28 / 792	-40°C to -85°C	38" x 25" x 51.25"	53" x 36.5" x 79.5"	5-20 6-20	950 LBS
NU80-30	31 / 843	-40°C to -85°C	42" x 25" x 51.25"	59.5" x 36.5" x 79.5"	5-20 6-20	975 LBS
CHEST HORIZONTAL TO -85°C						
NC85-2	2 / 56	-40°C to -85°C	17" x 14" x 14"	25" x 26" x 38.5"	5-15 6-20	300 LBS
NC85-3	3 / 83	-40°C to -85°C	24" x 12" x 18"	34.5" x 26" x 47"	5-15 6-20	350 LBS
NC85-5	5 / 142	-40°C to -85°C	30" x 18" x 16"	40.5" x 32" x 47"	5-15 6-20	425 LBS
NC85-9	9 / 255	-40°C to -85°C	47" x 16" x 20"	58" x 29.5" x 47"	5-20 6-20	500 LBS
NC85-12	12 / 340	-40°C to -85°C	55" x 19" x 20"	66" x 32.5" x 48"	5-20 6-20	650 LBS
NC85-14	14 / 400	-40°C to -85°C	62" x 20" x 20"	73" x 34" x 48"	5-20 6-20	725 LBS
NC85-17	17 / 480	-40°C to -85°C	69" x 20" x 21"	81" x 34.5" x 49"	5-20 6-20	775 LBS
NC80-21	21 / 594	-40°C to -80°C	81" x 21.5" x 21"	91" x 36" x 49"	5-20 6-20	825 LBS
NC85-22	22 / 626	-40°C to -85°C	67" x 19" x 30"	98" x 36" x 44"	5-20 6-20	850 LBS
NC80-27	27 / 766	-40°C to -80°C	67" x 23" x 31"	98" x 36" x 44"	5-20 6-20	900 LBS

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Platinum Low Temp Freezers

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0°C to -40°C



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NU40-28	28 / 792	0°C to -40°C	38" x 25" x 51.25"	53" x 36.5" x 79.5"	5-20 6-20	950 LBS
CHEST HORIZONTAL TO -40°C						
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NC40-17	17 / 480	0°C to -40°C	69" x 20" x 21"	81" x 34.5" x 49"	5-20 6-20	775 LBS
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