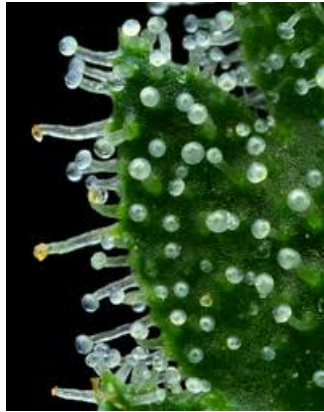




ULTRA LOW TEMPERATURE IS AG-CHILL'S COLDEST -80C (-112F) CHILLER

CANNABIS EXTRACTION TEMPERATURE CONTROL

Ultra Low Temperature control is essential for cannabis extraction. It is important that the cold solvent dissolves just the valuable glandular trichomes - cannabinoids, terpenes, and flavonoids. Extracting at temperatures any warmer than -40°F (-40°C) results in dissolving undesirable compounds including lipids (fats and waxes) and chlorophyll. If these are dissolved during extraction, they need to be removed via further expensive processing down the line. Ultra Low Temperature extraction ensures consistent and high-quality end-products such as vape cartridges, tinctures, and dabbable concentrates.



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World-Class Custom Engineering Team. Wide variety of UL/CSA Certified options up to 30 tons cooling capacity 480VAC 20 HP 100 amps. Smart Chiller™ capabilities available.

Energy Efficient
Sustainable
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Variety of
Refrigerants
Available

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CAPACITY

PROGRAMMABLE
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INTERFACE



SUITABLE FOR HAZARDOUS
LOCATIONS

PORTABLE, SCALABLE, SIMPLE



Ideal process cooling solution for Biotech, Dairy, Chemicals, Cannabis, Oil Extraction, EDM, Fermentation, Hydroponics, Lasers, Printing, Welding, Food, and Plastics.



ULTRA LOW TEMPERATURE



ULTRA LOW TEMPERATURE TECHNICAL SPECIFICATIONS

Product Type	Base Model	Chiller Fluid Temp Range	Ambient Temp Range	Cooling Capacity	Pump	Inlet Outlet	Refrigerant	Reservoir Capacity	Dimensions	Weight (Approx)	Available Voltages	Max Amps
SUPER LOW TEMP	NSC4000-SLT	-58 F (-50°C) to 0 F (-18°C)	20 F - 100 F	70°F Ambient -58°F (-50°C) - 7,800 BTU/hr (2,290 Watts) -19°F (-28.3°C) - 32,100 BTU/hr (9,410 Watts) 20°F (-6.7°C) - 81,900 BTU/hr (24,000 Watts)	2.2kW Vortex Pump	0 GPM @ 121 PSI 13.7 GPM @ 67 PSI 27.3 GPM @ 13 PSI	3/4" NPT	R404a	15 Gallon Stainless Steel	65" x 34" x 66"	1000 lbs	480VAC / 3P / 60Hz (std) 33 Amps (std)
	NSC6000-SLT	-58 F (-50°C) to 0 F (-18°C)	20 F - 100 F	70°F Ambient -58°F (-50°C) - 13,900 BTU/hr (4,070 Watts) -26.5°F (-32.5°C) - 50,700 BTU/hr (14,860 Watts) 5°F (-15°C) - 110,400 BTU/hr (32,360 Watts)	3.75kW Vortex Pump	0 GPM @ 122 PSI 17.9 GPM @ 99 PSI 35.7 GPM @ 31 PSI	1-1/2" NPT	R404a	15 Gallon Stainless Steel	49 3/4" x 63 3/8" x 75 5/8"	1250 lbs	480VAC / 3P / 60Hz (std) 46 Amps (std)
ULTRA LOW TEMP	NSC0500-ULT	-112 F (-80°C) to 70 F (21°C)	40 F - 100 F	70°F Ambient -94°F (-70°C) - 1,900 BTU/hr (560 Watts) -85°F (-65°C) - 2,600 BTU/hr (760 Watts) -76°F (-60°C) - 3,200 BTU/hr (940 Watts)	0.75kW Vortex Pump	0 GPM @ 107 PSI 4.5 GPM @ 50 PSI 8.9 GPM @ 16 PSI	1/2" NPT	R404a/R508b	5 Gallon Stainless Steel	36" x 34" x 66"	1100 lbs	208-240VAC / 3P / 60Hz (std) 208-240VAC / 1P / 60Hz 480VAC / 3P / 60Hz 16 Amps (std)
	NSC1000-ULT	-112 F (-80°C) to 70 F (21°C)	40 F - 100 F	70°F Ambient -112°F (-80°C) - 1,000 BTU/hr (290 Watts) -94°F (-70°C) - 4,400 BTU/hr (1,290 Watts) -76°F (-60°C) - 7,100 BTU/hr (2,080 Watts)	0.75kW Vortex Pump	0 GPM @ 107 PSI 4.5 GPM @ 50 PSI 8.9 GPM @ 16 PSI	1/2" NPT	R404a/R508b	5 Gallon Stainless Steel	36 1/4" x 52 7/8" x 65 1/8"	1150 lbs	208-240VAC / 3P / 60Hz (std) 480VAC / 3P / 60Hz 25 Amps (std)
	NSC2000-ULT	-112 F (-80°C) to 70 F (21°C)	40 F - 100 F	70°F Ambient -112°F (-80°C) - 5,100 BTU/hr (1,490 Watts) -76°F (-60°C) - 19,000 BTU/hr (5,570 Watts) -40°F (-40°C) - 27,800 BTU/hr (8,150 Watts)	2.2kW Vortex Pump	0 GPM @ 117 PSI 7 GPM @ 65 PSI 14 GPM @ 14 PSI	3/4" NPT	R404a/R508b	10 Gallon Stainless Steel	70 3/8" x 35 7/8" x 75 3/8"	1350 lbs	480VAC / 3P / 60Hz (std) 208-240VAC / 3P / 60Hz 20 Amps (std) 55 Amps
	NSC3500-ULT	-112 F (-80°C) to 70 F (21°C)	20 F - 110 F	70°F Ambient -112°F (-80°C) - 8,800 BTU/hr (2,580 Watts) -76°F (-60°C) - 33,300 BTU/hr (9,760 Watts) -40°F (-40°C) - 48,600 BTU/hr (14,240 Watts)	2.2kW Vortex Pump	0 GPM @ 121 PSI 13.7 GPM @ 67 PSI 27.3 GPM @ 13 PSI	1" NPT	R404a/R508b	15 Gallon Stainless Steel	49 3/4" x 63 3/8" x 75 5/8"	1500 lbs	480VAC / 3P / 60Hz (std) 35 Amps (std)
	NSC5000-ULT	-112 F (-80°C) to 70 F (21°C)	20 F - 110 F	70°F Ambient -112°F (-80°C) - 18,900 BTU/hr (5,540 Watts) -76°F (-60°C) - 49,800 BTU/hr (14,530 Watts) -40°F (-40°C) - 65,800 BTU/hr (19,280 Watts)	5 HP Centrifugal Pump	0 GPM @ 44 PSI 45 GPM @ 41 PSI 90 GPM @ 28 PSI	1-1/4" NPT	R508B	20 Gallon Stainless Steel	84" x 36" x 72"	1965 lbs	480VAC / 3P / 60Hz (std) 26.7 Amps (std)
	NSC5000-ECU	N/A	20 F - 110 F				5/8" AND 1-3/8"	R404A	N/A	48 1/4" x 68 5/16" x 36 3/8"	1080 lbs	480VAC / 3P / 60Hz (std) 27.3 Amps (std)

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MORE UL/CSA CERTIFIED OPTIONS AVAILABLE: UP TO 30 TONS COOLING CAPACITY, FLUID TEMPERATURES AS LOW AS -80°C (-112°F), 480VAC/3/60 100 AMPS, UP TO 60,000 WATTS HEATING CAPABILITY, -20F AMBIENT OUTDOOR MODELS.



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