



COMP cooler
Personal Thermal Technology

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Technical Data - All Systems

Cooling /Heating System	Acronym	Model No.	SystemType	Cooling Energy	Cooling Capacity	Heating Capacity	Power Source	On/Off Control	Optional Flow Control	Coolant Temp	Cooling Duration	Cooling Time Dependency	Noise (dBA)	Typical Application	Comments
Detachable Bladder Series															
Waistpack ICE Water Cooling System	BWCS	COMP-BWCS-7415	Self-contained	ICE	1.5 L Bladder	N/A	7.4V Battery	yes	yes	2° - 10°C (36 - 50°F)	1-2 hours	Ice melt duration	48	Any hot environment where freedom of movement and use of both hands is essential.	Additional frozen ice bladders can extend cooling time.
Backpack ICE Water Cooling System	BPIC	COMP-BPIC-7430	Self-contained	ICE	3.0 L Bladder	N/A	7.4V Battery	yes	yes	2° - 10°C (36 - 50°F)	2-4 hours	Ice melt duration	48		
Univest ICE Water Cooling System	UICS	COMP-UICS-7430	Self-contained	ICE	2.0/3.0 L Bladder	N/A	7.4V Battery	yes	yes	2° - 10°C (36 - 50°F)	2-4 hours	Ice melt duration	48		
Handcarry ICE Cooling System	HICS	COMP-HICS-7430	Tethered	ICE	3.0 L Bladder	N/A	7.4V Battery	yes	yes	2° - 10°C (36 - 50°F)	2-4 hours	Ice melt duration	48		
Dual Backpack ICE Cooling System	DBCS	COMP-DBCS-7430	Self-contained	ICE	5.0 L Bladder	N/A	7.4V Battery	yes	yes	2° - 10°C (36 - 50°F)	3-6 hours	Ice melt duration	48		
ICE Chest Series															
Motorcycle Rider Solo Chest Cooling System	BMCS	COMP-BMCS-126L-V	Stationary	ICE	3.0L ice container	N/A	12V Vehicle/7.4V Battery	yes	yes	2° - 10°C (36 - 50°F)	2-4 hours	Ice melt duration	48	Motorcycle Riding (1 user)	Additional frozen ice container or ice cubes can extend cooling time.
Motorcycle Rider Tandem Chest Cooling System	BMCS	COMP-BMCS-126L-2V	Stationary	ICE	3.0L ice container	N/A	12V Vehicle / 7.4V battery	yes	yes	2° - 10°C (36 - 50°F)	2-4 hours	Ice melt duration	48	Motorcycle Riding (2 users)	Additional frozen ice container or ice cubes can extend cooling time.
Racing Driver ICE Chest Cooling System	RICS	COMP-RICS-128L	Stationary	ICE	3.0L ice container	N/A	12V Vehicle / 7.4V battery	yes	yes	2° - 30°C (36 - 86°F)	2-4 hours	Ice melt duration	48	Racecar driving (1 user) temp control unit	Additional frozen ice container or ice cubes can extend cooling time.
Portable Ice Chest Cooling System	PICS	COMP-PICS-AC8L	Stationary	ICE	3.0L ice container	N/A	110-220V AC Plug / 7.4V Battery	yes	yes	2° - 30°C (36 - 86°F)	2-4 hours	Ice melt duration	48	Home, indoor or Medical application (1 user) temp control unit	Additional frozen ice container or ice cubes can extend cooling time.
Portable Tandem Ice Chest Cooling System	PTIC	COMP-PICS-AC25	Stationary	ICE	6.0L ice container	N/A	110-220V AC Plug / 7.4V Battery	yes	yes	2° - 10°C (36 - 50°F)	4-8 hours	Ice melt duration	48	Industrial cooling or rehabilitation (2 users) in the extrem hot ambient.	Additional frozen ice container or ice cubes can extend cooling time.
Chiller or Thermal Chiller Series															
Backpack Individual Cooling System	BICS	COMP-BICS-12100	Self-contained	Mechanical Refrigeration	Refrigerant	N/A	12V Battery	Remote control	N/A	-9°C to 30°C (16°F to 86°F)	2-3 hours	Rechargeable battery life	54 cooling	Freedom of movement and use of both hands is essential. It could be used for the application where no ice is available.	Additional battery can extend cooling time.
Backpack Thermal Chiller System	BTCS	COMP-BTCS-12200	Self-contained	Mechanical Refrigeration	Refrigerant	Yes	12V Battery	Remote control	N/A	-9°C to 50°C (16°F to 122°F)	2-3 hours	Rechargeable battery life	54 cooling 48 heating	Freedom of movement and use of both hands is essential. It could be used for the application need both cooling and heating.	Additional battery can extend cooling time.
Racing Driver Chiller Cooling System Basic	RDCS	COMP-RDCS-12200-BSC	Stationary	Mechanical Refrigeration	Refrigerant	N/A	12V Vehicle	Remote control	N/A	-9°C to 30°C (16°F to 86°F)	unlimited	N/A	68 cooling	Racecar driving	vehicle mounted
Racing Driver Chiller Cooling System Pro	RDCS	COMP-RDCS-12200-PRO	Stationary	Mechanical Refrigeration	Refrigerant	N/A	12V Vehicle	Remote control RS422	N/A	-9°C to 30°C (16°F to 86°F)	unlimited	N/A	68 cooling	Racecar driving	vehicle mounted
Vehicle Mounted Chiller Cooling System	VMCS	COMP-VMCS-24400	Stationary	Mechanical Refrigeration	Refrigerant	N/A	24V Vehicle	Remote control	N/A	-9°C to 30°C (16°F to 86°F)	unlimited	N/A	68 cooling	Commercial Drivers in vehicles without air conditioning or aircraft/helicopter pilots	vehicle mounted
Vehicle Mounted Thermal Chiller System	VTCS	COMP-VTCS-24400	Stationary	Mechanical Refrigeration	Refrigerant	Yes	24V Vehicle	Remote control	N/A	-9°C to 50°C (16°F to 122°F)	unlimited	N/A	68 cooling 48 heating	Commercial Drivers in vehicles without air conditioning or aircraft/helicopter pilots	vehicle mounted
Handcarry Mini Chiller Cooling System	HMCS	COMP-HMCS-12200	Stationary	Mechanical Refrigeration	Refrigerant	N/A	12V Battery	Remote control	N/A	-9°C to 30°C (16°F to 86°F)	unlimited	N/A	58 cooling	Portable cooling	Additional battery can extend cooling time.
Handcarry Mini Thermal Chiller System	HMTS	COMP-HMTS-12200	Stationary	Mechanical Refrigeration	Refrigerant	Yes	12V Battery	Remote control	N/A	-9°C to 50°C (16°F to 122°F)	unlimited	N/A	58 cooling 48 heating	Portable cooling and heating	Additional battery can extend cooling and heating time.
Portable Chiller Cooling System	PCCS	COMP-PCCS-24400	Stationary	Mechanical Refrigeration	Refrigerant	N/A	24V or 110-220V	front panel	N/A	-9°C to 30°C (16°F to 86°F)	unlimited	N/A	54 cooling	Hot environment where the operator performs tasks in a stationary location, power source is available and use of both hands is essential. User can connect AC or DC for different applications.	Highly portable for both outdoor and indoor
Portable Thermal Chiller System	PTCS	COMP-PTCS-24400	Stationary	Mechanical Refrigeration	Refrigerant	Yes	24V or 110-220V	front panel	N/A	-9°C to 50°C (16°F to 122°F)	unlimited	N/A	54 cooling 48 heating		
Indoor Refrigeration Chiller System	IRCS	COMP-IRCS-AC400	Stationary	Mechanical Refrigeration	Refrigerant	N/A	110V or 220V	front panel	N/A	-9°C to 30°C (16°F to 86°F)	unlimited	N/A	50 cooling	Medical/Surgical Personnel, indoor, Assembly Line Workers or any hot environment where the operator performs tasks in a stationary location, power source is available and use of both hands is essential.	Indoor application
Indoor Thermal Chiller System	ITCS	COMP-ITCS-AC400	Stationary	Mechanical Refrigeration	Refrigerant	Yes	110V or 220V	front panel	N/A	-9°C to 50°C (16°F to 122°F)	unlimited	N/A	50 cooling 48 heating	Home application for blanket or pad, Medical/Surgical Personnel	Indoor application