



LBL-48 V3
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US Product Guide 2023

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The MCH Series

Take Control of Patient Temperature

Safety consciousness, superior performance, next-generation touchscreen interface, and intuitive operation have made the MCH-1000 the leading cooler-heater brand in the US. Choose the full-size **MCH-1000(i)TM** for best-in-class performance or choose the compact **MCH-1000(m)TM** to pack MCH performance into tight places.



MCH-1000(i)TM
Standard Unit



MCH-1000(m)TM
Compact Unit

MCH-1000(i)TM



Specifications

Dimensions (LxWxH)	26x16x35 in (66x41x89 cm)
Weight (empty/full/max)	85 lbs (39 kg) / 165 lbs (75kg) / 258 lbs (117 kg)
Water Capacity (min/max)	3 gal (12L) / 9 gal (36 L)
Cooling Medium	Ice (Optional: Refrigeration Module)
Maximum Flow Rate	(high/low) 20/14 lpm (5.3/3.7 GPM)
Maximum Pressure	83 kPa/ 12 psi (closed loop, blocked flow)
Water Connections	Quick-connect, no-spill, two-way shutoff fittings. Hose kit included.
Temperature Control	Range 0-42°C Accuracy ±0.5°C, Setting 0.1°
Power Consumption	Max Peak 1900W, Typ <1740W
Electrical	115 VAC/ 60Hz, 16A (Class 1 equipment per UL 544) 230 VAC/ 50Hz, 10.4A (Class 1, Type BF equipment per UL 2601-1)

115V Unit

P/N	Description
MCH-1000(id)	Standard Cooler-Heater, 115V + Cardioplegia Shared Channel + 2 Standard Hose Sets

230V Unit

P/N	Description
MCH-1000(230id)	Standard Cooler-Heater, 230V + Cardioplegia Shared Channel + 2 Standard Hose Sets



MCH-1000(m)TM



Specifications

Dimensions (LxWxH)	19x9x16 in (48x23x41 cm)
Weight (empty/full/max)	45 lbs (20 kg) / 65 lbs (29kg) / 76 lbs (34 kg)
Water Capacity (min/max)	1 gal (3.8L) / 2.5 gal (9.5 L)
Cooling Medium	Ice (Optional: Thermo-Electric Cooling Module)
Maximum Flow Rate	(high/low) 20/14 lpm (5.3/3.7 GPM)
Maximum Pressure	83 kPa/ 12 psi (closed loop, blocked flow)
Water Connections	Quick-connect, no-spill, two-way shutoff fittings. Hose kit included.
Temperature Control	Range 0-42°C Accuracy ±0.5°C, Setting 0.1°
Power Consumption	Max Peak 1900W, Typ <1740W
Electrical	115 VAC/ 60Hz, 16A (Class 1 equipment per UL 544) 230 VAC/ 50Hz, 10.4A (Class 1, Type BF equipment per UL 2601-1)

115V Unit

P/N	Description
MCH-1000(m)	Compact Cooler-Heater, 115V + 1 Standard Hose Set

230V Unit

P/N	Description
MCH-1000(230m)	Compact Cooler-Heater, 230V + 1 Standard Hose Set



MCH Modules

MCH-1000(i)TM Modules

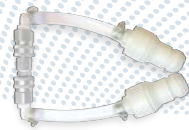
P/N	Description
MCH-10RMS	Refrigeration Module, 115V
MCH-10ARH	Airflow Redirection Hood for Refrigeration Module
MCH-10COM	Communications Port Module (Standard Unit)
MCH-10SHS	Standard Hose Set 10' (Standard Unit)
MCH-10S90	Standard Hose Set 10' (Standard Unit w/90° for CPG)
MCH-10DAM	Dripless Hose Set 10' (Standard Unit)
MCH-10D90	Dripless Hose Set 10' (Standard Unit w/90° for CPG)
MCH-10DMB	Dripless Tubing Set 10' w/Blanket Adapter (Standard Unit)
MCH-10DRP	Dripless End Set
MCH-10DRP-SHX	Dripless End Set (w/Straight Hansen Connectors)



MCH-10RMS
Refrigeration Module



MCH-10ARH
Airflow Redirection Hood
Redirects exhaust air downward from MCH-10RMS Refrigeration Module



MCH-10DRP
Dripless End Set



MCH-10DRP-SHX
Dripless End Set
(w/Straight Hansen Connectors)



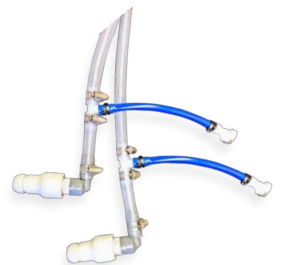
MCH-10DAM
Dripless Hose Set 10'
(Standard Unit)



MCH-10COM
Communications Port Module
(Standard Unit)



MCH-10SHS
Standard Hose Set
10' (Standard Unit)



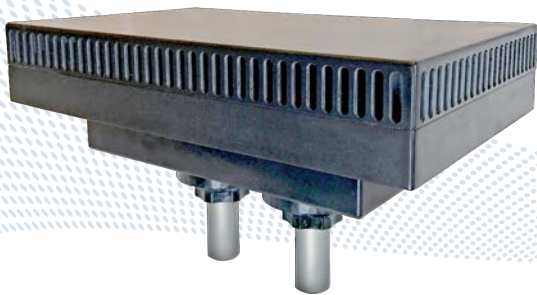
MCH-10DMB
Dripless Tubing Set 10' w/
Blanket Adapter (Standard Unit)

MCH-1000(m)TM Modules

P/N	Description
MCH-11TEC	Thermoelectric Cooling (TEC) Lid Module
MCH-11COM	Communications Port Module (Compact Unit)
MCH-11SHS	Standard Hose Set 6' (Compact Unit)
MCH-11DAM	Dripless Hose Set 6' (Compact Unit)
MCH-11DMB	Dripless Tubing Set 6' w/Blanket Adapter (Compact Unit)
MCH-11WSO	Wheel Set (Compact Unit)
MCH-10DRP	Dripless End Set
MCH-10DRP-SHX	Dripless End Set (w/Straight Hansen Connectors)

MCH-11TEC

Thermoelectric Cooling Lid



MCH-11DAM

Dripless Hose Set



MCH-11COM

Communications Port Module
(Compact Unit)



MCH-11SHS

Standard Hose Set 6'
(Compact Unit)



MCH-11WSO

Wheel Set (Compact Unit)



MCH-10DRP

Dripless End Set



MCH-10DRP-SHX

Dripless End Set
(w/Straight Hansen Connectors)

MiniCart™



MIN-11CRT
Stainless Cart for
MCH-1000(m)



P/N	Description
MIN-11CRT	MiniCart Standard (Basket Only)
MIN-11CYH	Cylinder Holder (1)
MIN-11PSA	Power Supply Mount
MIN-11WDK	Stainless Writing Desk
MIN-11POL	Additional Bag Pole (1)
MIN-11BSK	Additional Wire Basket for MiniCart



MIN-11CYH
Cylinder Holder



MIN-11PSA
Power Supply Mount



MIN-11WDK
Writing Desk



MIN-11POL
Additional Bag Pole



Accessories & Parts

Power

P/N	Description
MCH-11PCX	Power Cable for MCH-1000 w/Hubbell TwistLock M/F



MIN-11PCX
Power Cable for
MCH-1000 w/Hubbell
TwistLock M/F

Bulk Tubing

P/N	Description
MCH-10STB	Bulk Reinforced Tubing, 1/2", 100' roll
MCH-10STB38	Bulk Reinforced Tubing, 3/8", 100' roll



MCH-10STB
Bulk Reinforced Tubing,
1/2", 100' roll



MCH-10STB38
Bulk Reinforced Tubing,
3/8", 100' roll

Connectors

P/N	Description
MCH-10MSB	Main/CPG Connector, Male, Straight, 1/2" Hose Barb
MCH-10FSB	Main/CPG Connector, Female, Straight, 1/2" Hose Barb
MCH-10FSP	Main/CPG Connector, Female, Straight, 1/2" MNPT
MCH-10MBHC	Blanket Hose Connector, Male, Straight, 1/2" Hose Barb
MCH-10FBHC	Blanket Hose Connector, Female, Straight, 3/8" Hose Barb
MCH-10FBC	Blanket Connector to Blanket, Female, Straight, 3/8" Hose Barb
MCH-10LBC	Loopback Connector for Tubing Set
MCH-10BVH	Ball Valve, Grey, 1/2" Hose Barb (Both Ends)
MCH-11DRN	Drain Connector, 1/2" Hose Barb
MCH-10PMK	Panel Mount Kit (Standard/Compact Unit)



MCH-10MSB
Main/CPG Connector, Male,
Straight, 1/2" Hose Barb



MCH-10FSB
Main/CPG Connector, Female,
Straight, 1/2" Hose Barb



MCH-10FSP
Main/CPG Connector, Female,
Straight, 1/2" MNPT



MCH-10MBHC
Blanket Hose Connector, Male,
Straight, 1/2" Hose Barb



MCH-10FBHC
Blanket Hose Connector,
Female, Straight, 3/8" Hose
Barb



MCH-10FBC
Blanket Connector to Blanket,
Female, Straight, 3/8" Hose
Barb



MCH-10LBC
Loopback Connector for Tubing
Set



MCH-10BVH
Ball Valve, Grey, 1/2" Hose Barb
(Both Ends)



MCH-11DRN
Drain Connector
(Compact Unit), 1/2" Hose Barb



MCH-10PMK
Panel Mount Kit
(Standard/Compact Unit)

Connector Assemblies

Connector Assemblies are pre-assembled prior to shipping.

P/N	Description
MCH-10MRB	Main/CPG Connector, Male, Right Angle, 1/2" Hose Barb
MCH-10HSB	Oxygenator Connector, Straight, 1/2" Hose Barb
MCH-10HRB	Oxygenator Connector, Right Angle, 1/2" Hose Barb



MCH-10MRB
Main/CPG Connector, Male,
Right Angle, 1/2" Hose Barb



MCH-10HRB
Oxygenator Connector, Right
Angle, 1/2" Hose Barb



MCH-10HSB
Oxygenator Connector,
Straight, 1/2" Hose Barb

Screen

P/N	Description
MCH-SCRN	Additional Standalone Touch Screen with Mount (Standard Unit)
MCH-10ARM	Control Screen Hydrostatic Arm
MCH-10SCP	Super Clamp w/Adapter Plate



MCH-SCRN

Additional Standalone Control Screen with Mount (Standard Unit)



MCH-10ARM

Control Screen Hydrostatic Arm (Standard Unit)



MCH-10SCP

Super Clamp w/Adapter Plate

Tank Lids

P/N	Description
MCH-10TKL	Tank Lid Replacement (Standard Unit)
MCH-11TKL	Tank Lid Replacement (Compact Unit)



MCH-10TKL

Tank Lid Replacement (Standard Unit)



MCH-11TKL

Tank Lid Replacement (Compact Unit)

