

Thermo E120+

Heat Output:	40,000 btu
Fuel Consumption:	.46 gal/hr (1.6 //hr)
Voltage:	12
Power Consumption (12v): Full:	3.75 amps (45 watts) (Not including pump)
Coolant Operating Temperature: Opens at: Closes at:	180° F (82° C) ± 6° F 162° F (72° C) ± 9° F
Dimensions:	L 17.2" x W 9.8" x H 8.9" (435mm x 248mm x 224mm)
Weight:	29.8 lbs (13.5 kg)



The **Thermo E120+** hydronic heater by Spheros will heat up to a 48 foot sailboat or a 47 foot powerboat. The **Thermo E120+** utilizes 1" water hose to deliver heated coolant to dual 3/4" zones of fan heaters throughout the boat. The **Thermo E120+** uses a 1-1/2" rigid exhaust system, and a 1/4" supply fuel system. The **Thermo E120+** is available in 12 volts.

The **SMS** installation kit features:

o Surewire Water

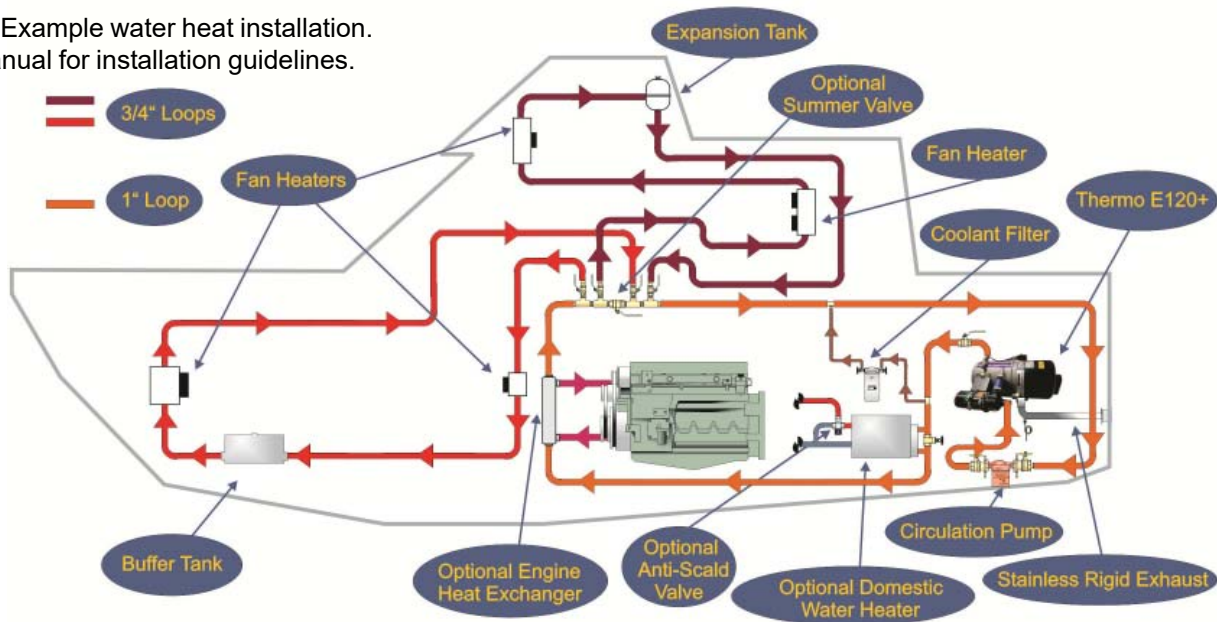
The Surewire Water board puts all electrical connections into one place making installation and troubleshooting of your heater easier than ever before. The Surewire Water is for all Webasto Water heaters. Features include:

- o Ready for hassle free **thermostat** wiring
Up to **four zones!**
- o Domestic water heater control wiring
- o Easy to add **engine heat** control
- o **Hour meter** to track run time of the heater
- o Comes with **protective cover** and backing plate
- o **Breaker protection** of heater in one convenient place

o Marine Installation Manual



Figure: Example water heat installation.
See manual for installation guidelines.



Marine Heating Price List

Thermo E120+

Model Thermo E120+ 40,000 BTU Heater Kit Basic Boat Hydronic Heater Installation Kit with SureWire



Part #	Item Description	Quantity	Price Per	Price Total
Heater Equipment				
E120+SW-12	Spheros E120-PLUS 12 Volt 40,000 Btu Hydronic Heater w/Surewire Marine Installation Manual Surewire Kit	1 each	\$4,799.94	\$4,799.94
Mounting Equipment				
W005-220	Aluminum Side Wall Mount Bracket	1 each	\$135.00	\$135.00
W600-014K	8MM Rubber Shock Mount Kit	1 each	\$76.83	\$76.83
Electrical Equipment				
TH135-01	Aube Digital Room Thermostat	3 each	\$123.01	\$369.03
W005-378K	On/off Switch Kit	1 each	\$46.54	\$46.54
75135K-30	Main Power Breaker Kit	1 each	\$20.64	\$20.64
W005-213-KIT	3/4" Inline Fan Aquastat	1 each	\$37.26	\$37.26
B7W10T-20-25FT	10-2 Power Supply Tinned Boat Cable	1 spool	\$41.90	\$41.90
B7W16T-20-100FT	16-2 Fan Heater Power Supply Tinned Boat Cable	2 spool	\$58.60	\$117.20
B7W16T-30-100FT	16-3 Room Thermostat Power Supply Tinned Boat Cable	1 spool	\$84.00	\$84.00
Exhaust Equipment				
W002-109	1-1/2" S/S 316 Grade Thru Hull FTG W/GSKTS	1 each	\$229.49	\$229.49
W005-110	1-1/2" S/S 316 Grade Long 90 Exhaust ELL W/Drain	1 each	\$209.22	\$209.22
W001-214	1-1/2" S/S 316 Grade Rigid Exhaust Tube / Foot	4 feet	\$44.90	\$179.60
W002-780	1-1/2" S/S Exhaust Clamps	3 each	\$18.84	\$56.52
W001-441B	Exhaust Insulation Blanket / Foot	5 feet	\$301.58	\$1,507.90
45050	High Temperature Exhaust Cement	1 pint	\$19.58	\$19.58
PERM-81878	High Temperature Silicone Sealer	1 tube	\$16.19	\$16.19
Fuel Equipment				
W11BVRK	Garber Fuel Filter With Mount Bracket, Valve & Fittings	1 each	\$152.42	\$152.42
001-449	1/4" A-1 Fuel Rated Hose	20 feet	\$3.70	\$74.00
W005-913-1-KIT	1/4" S/S Fuel Pickup Tube with w/Weldless Bushing Kit	1 each	\$169.76	\$169.76
Water System Equipment				
WSMS-2LOOPK	2 Loop Manifold Kit 1" Hose to 3/4" Hose	2 each	\$169.74	\$339.48
WSMS-0092010	Water Conditioner Kit	1 each	\$353.38	\$353.38
W002-105B	SMS 5 Gallon Steel Buffer Tank Kit	1 each	\$422.84	\$422.84
W002-103	SMS 2-1/2 Gallon Steel Expansion Tank Kit	1 each	\$481.25	\$481.25
001-453	3/4" Webasto System Hose / Foot	100 feet	\$6.18	\$618.00
002-850	1" Webasto System Hose / Foot	20 feet	\$4.94	\$98.80
002-621S-1"	1" Ball Valve with Hose Barb	2 each	\$74.85	\$149.70
001-394K	Drain Valve Kit	1 each	\$71.33	\$71.33
CLA-012	#12 S/S Hose Clamps	16 each	\$3.80	\$60.80
CLA-016	#16 S/S Hose Clamps	10 each	\$3.92	\$39.20
PERM-80019	Permatex Form-A-Gasket #3, 4oz Tube	1 tube	\$11.66	\$11.66
AS05	FasSeal-ATS Anaerobic Thread Sealant with PTFE	1 each	\$47.31	\$47.31
001-840	Sta/Clean Antifreeze / Gallon	4 gallons	\$45.96	\$183.84
Fan Heater Equipment				
RL6424	REAL Dual 4" Outlet Salon Fan Heater	1 each	\$685.63	\$685.63
RL6414	REAL Single 4" Outlet Master Stateroom Fan Heater	1 each	\$625.42	\$625.42
RL6214	REAL Single 4" Outlet Stateroom Fan Heater	1 each	\$533.76	\$533.76
RL6013	REAL Single 3" Outlet Head Fan Heater	1 each	\$442.68	\$442.68
W002-911.36	Fan Heater Two Speed Switch & Plate .36 amp	2 each	\$52.12	\$104.24
W002-911.70	Fan Heater Two Speed Switch & Plate .70 amp	2 each	\$55.43	\$110.86


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**Retail Price FOB Seattle
Price subject to change without notice**

\$13,723.20

This is a generic kit that contains most parts that are likely needed for installation but, as with all Sure Marine Service kits, parts may be added or subtracted to suit your particular installation requirements.

Please note, the prices listed are in U.S. Dollars.



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