



Hamilton
Engineering

Innovative Hot Water Solutions

2018 PRICING INFORMATION

Laundry Distributors

Effective 11/21/2018

34000 Autry Street, Livonia, MI 48150
800.968.5530 | 734.419.0200 | Fax 734.419.0209
www.hamiltonengineering.com

ENGINEERED SYSTEMS

- Due to the thousands of different combinations, please consult Hamilton Engineering for all sizings of water treatment systems.
- As each odd water package is designed specifically for each job, please consult Hamilton Engineering for proper sizing.

HAMILTON'S COMPSIZE™ PROGRAM

- Hamilton's unique CompSize™ computerized sizing program guarantees the proper system for your specific application, and it's easier and more accurate than using just a price sheet!

Please call us at
800.968.5530
for more information

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GENERAL TERMS AND CONDITIONS

FREIGHT: ALL shipments from our Livonia, Michigan facility will be FREIGHT PREPAID & ADD or THIRD PARTY BILLING, unless other arrangements have been made in advance.

EXPORT SHIPMENTS: All export shipments that are to be crated for export by Hamilton require a special quote to accommodate shipping regulations.

PAYMENT TERMS: Terms are 30 days to pre-approved accounts. New accounts will require payment in advance of shipping until credit is approved. Any accounts past due are subject to a late fee; accounts past due over 45 days will be placed on credit hold until the account is current and credit terms are re-established.

MATERIALS RETURN/WARRANTY REPLACEMENT: No material may be returned (unused or warranty) without prior approval and an RGA number. All returned goods must be accompanied by RGA documents within 30 days, and be returned **FREIGHT PREPAID**. Returned goods (in new condition) will be subject to a minimum 15% restocking charge, and any damage or re-packaging costs will be additional.

NOTES

1. Pumps are sized for proper flow through heater with “good” water chemistry, as determined through the following: Hardness, Alkalinity, PH, TDS and temperature to be heated to, utilizing a series of indices to accurately predict the propensity to scale. Hamilton may refuse to take an order without these water chemistry items being supplied, and based on the outcome of the calculations, may require alternate system designs.
 2. For storage tanks other than those listed on the following pages, contact Hamilton Engineering, Inc.
 3. For LP conversion and test fire, see page 6 for additional charges. For all models except EVO, LP or special elevation units ordered with five-week lead-time, no additional charge is added. Tank-type LP always subject to price sheet surcharge.
 4. CSD-1 Requirements—Due to the large discrepancy in requirements from state to state, you must specify exact controls.
 5. Custom dimension systems require drawings and customer approval prior to entering in the production schedule and will be subject to a minimum 15% surcharge on the Rack Pack pricing.
 6. Prices subject to change without notice. Consult factory or website for most current pricing.
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ENGINEERED JOBS

- Due to the thousands of different combinations, please consult Hamilton Engineering for all sizings of water softeners.
- Each odd water package is designed specifically for each job, consult Hamilton Engineering for proper sizing.

EVO Water Heater and Pump Packages

Model No.	BTU/Hr Input	Up to GPH @ 100°F Rise	List (\$)	Pump Package Model	Pump Package List (\$)	Total List (\$)	Weight (Pounds)
HW 129	136,300	160	6,045	PMP 90305	1,539	7,585	77
HW 199.1	199,999	233	7,687	PMP 90311	1,634	9,321	95
HW 299	299,999	350	10,676	PMP 90307	1,451	12,127	127
HW 399	399,999	466	13,261	PMP 90309	1,667	14,928	194
HW 599	630,000	734	20,411	PMP 90309	1,667	22,077	234
HW 798 (399-399)	799,998	931	26,523	(2) PMP 90309	3,334	29,857	388
HW 998 (599-399)	1,029,999	1199	33,672	(2) PMP 90309	3,334	37,006	428

EVO Water Heating Packaged System - For the most up to date pricing, always use Quotebuilder for package prices. **NOTE: Complete packages includes Inlet & Outlet Venting for multiple units, gas manifold, electrical, condensage neutralizers, water piping, Stand and cascade controls.**

Water Heating Packaged Systems 136,300 BTU - 200,000 BTU

Note: *Rack Pack Six Pack includes Inlet & Outlet Venting(for multiple units), Gas Manifold, Electrical, Condensate Piping, Water Piping, Stand, and Cascade Controls

HW 129	Mounting Rack (\$)	Electric Panel (\$)	Condensate Neutralizer (\$)	Manifolds			Rack Pack Six Pack (\$)	Complete Package
				Plumbing (\$)	Gas (\$)	Venting (\$)		
1 Heater	924	587	249	1,820	327	0	3,907	11,491
2 Heaters	1,034	1,085	271	2,607	1,036	2,463	9,007	24,176
3 Heaters	1,631	1,323	373	3,584	1,349	3,727	12,753	35,507
4 Heaters	1,741	1,856	355	5,423	1,677	4,645	16,719	47,057

HW 179	Mounting Rack (\$)	Electric Panel (\$)	Condensate Neutralizer (\$)	Manifolds			Rack Pack Six Pack (\$)	Complete Package
				Plumbing (\$)	Gas (\$)	Venting (\$)		
1 Heater	924	587	249	1,820	327	0	3,907	3,907
2 Heaters	1,034	1,085	271	2,607	1,036	2,739	9,283	9,283
3 Heaters	1,631	1,323	373	3,584	1,349	3,940	12,966	12,966
4 Heaters	1,741	1,856	355	5,423	1,677	7,520	19,594	19,594

HW 199.1	Mounting Rack (\$)	Electric Panel (\$)	Condensate Neutralizer (\$)	Manifolds			Rack Pack Six Pack (\$)	Complete Package
				Plumbing (\$)	Gas (\$)	Venting (\$)		
1 Heater	924	587	249	1,820	327	0	3,907	13,228
2 Heaters	1,034	1,085	271	2,607	1,028	2,739	9,275	27,918
3 Heaters	1,631	1,323	373	3,584	1,349	3,940	12,966	40,931
4 Heaters	1,741	1,856	355	5,423	1,677	7,520	19,594	56,880

*Venting prices are for sizes noted on pages 22 & 23, and are sized for a total equivalent of 100 ft.

Water Heating Packaged Systems 299,999 BTU - 630,000 BTU

HW 299	Mounting Rack (\$)	Electric Panel (\$)	Condensate Neutralizer (\$)	Manifolds			Rack Pack Six Pack (\$)	Complete Package
				Plumbing (\$)	Gas (\$)	Venting (\$)		
1 Heater	924	587	249	3,062	320	0	5,142	17,268
2 Heaters	1,034	1,085	271	4,187	1,071	2,754	10,913	35,167
3 Heaters	1,631	1,323	373	5,354	1,423	4,577	15,447	51,828
4 Heaters	1,741	1,856	355	9,204	1,763	7,387	23,328	71,835

HW 399	Mounting Rack (\$)	Electric Panel (\$)	Condensate Neutralizer (\$)	Manifolds			Rack Pack Six Pack (\$)	Complete Package
				Plumbing (\$)	Gas (\$)	Venting (\$)		
1 Heater	924	587	249	3,464	325	0	5,549	20,477
2 Heaters	1,034	1,085	271	4,938	1,098	3,456	12,393	42,249
3 Heaters	1,631	1,323	373	8,941	1,468	5,854	20,356	65,141
4 Heaters	1,741	1,856	355	10,666	2,607	7,313	25,560	85,273

HW 599	Mounting Rack (\$)	Electric Panel (\$)	Condensate Neutralizer (\$)	Manifolds			Rack Pack Six Pack (\$)	Complete Package
				Plumbing (\$)	Gas (\$)	Venting (\$)		
1 Heater	924	587	249	3,583	381	0	5,724	27,801
2 Heaters	1,034	1,085	271	6,763	1,238	4,191	15,093	59,248
3 Heaters	1,631	1,323	373	11,390	2,395	5,729	23,607	89,840
4 Heaters	1,741	1,856	355	18,469	2,981	8,802	35,226	123,535
5 Heaters	2,338	2,142	591	29,700	3,479	10,626	50,153	160,540
6 Heaters	3,262	2,534	469	32,342	3,866	19,467	63,472	195,937

Water Heating Packaged Systems 799,998 BTU - 1,999,999 BTU

Mixed Packs	Mounting Rack (\$)	Electric Panel (\$)	Condensate Neutralizer (\$)	Manifolds			Rack Pack Six Pack (\$)	Complete Package
				Plumbing (\$)	Gas (\$)	Venting (\$)		
HW 798 (399-399)	1,034	1,085	271	4,938	1,098	3,456	12,393	42,249
HW 998 (599-399)	1,034	1,085	271	6,763	1,238	4,458	15,360	52,366

Heater Options and Accessories

Unit Options	Part Number	List	List
Cascade board (installed)	RLY 74300	\$255	Loose \$163
Thermistor	TST 76110	\$91	(Unthreaded Sensor) for glass lined 80-200gl Tank
Thermistor	TST 71010	\$79	Immersion Style 1/2"NPT w/4" Stem with well Sensor for HSS/Tank/Piping
Thermistor	TST 71020	\$58	Strap-on Sensor 2" - 5" pipe
Thermistor	TST 71030	\$49	Outdoor Air Sensor - weatherproof encl.
Thermistor	TST 96110A	\$122	(Temperature sensor for 220 gallon and above steel tanks)
Adjustable high Limit w/Reset 79-199	1499-1999	\$969	CNV 89079
Adjustable high Limit w/Reset 299-599		\$1,053	CNV 89078
LP Gas Conversion (Test fired - per unit) 79 - 599		\$400	
LP Gas Conversion (Test fired - per unit) 1499 - 1999		\$800	
BMS Options	Part Number	List	List
Remote monitor thermostat	TST 74401	\$1,054	- Requires RLY 74356
OT comm. board (installed)	RLY 74356	\$137	Loose \$52
BMS Gateway to EVO for the following protocols:			
Gateway (LON)	RLY 74360	\$3,732	
Gateway (BACnet)	RLY 74361	\$3,732	
Gateway (Modbus)	RLY 74362	\$3,732	
<i>Note: To observe/control each boiler/heater order 1 gateway and 1 OT board per boiler.</i>			
<i>Note: If the units are cascaded 1 gateway and 1 OT board are required for the lead unit. You can control the entire Cascade, but, only observe the lead unit in this configuration.</i>			
Service Port Communication Options	List	List	
Interface Cable	\$308	(Software free with purchase of cable)	
Note: Must have attended service school for the above communication options.			
Packaging Options	List	Part Number	
Universal Package for 129 to 399	\$375		
Universal Package for 599	\$650		
Conversion EVO DUO Short Rack	C/F	CNV 89500 Each boiler requires this part on short rack.	
Note: Short racks require 15% upcharge on Manifold list pricing.			
Label & Test Options	List	Part Number	
CSD-1 Report	\$30 net with order or \$60 net after order	LIT CSD1U1	
ASME Report	\$30 net with order or \$60 net after order	LIT CG500	
CSD-1 Gas Train/599 only	\$1,260	CNV 89057 H	
UL 795 / CSA 3.4 system labeling	\$595	LBL 74106	
UL 795 / CSA 3.4 system test** 2 units	\$1,295	LBL 74106-2	
UL 795 / CSA 3.4 system test** per unit over 2	\$350	LBL 74106-X	

Note: Consult CD Calculator or Sales Representative for Low Water Cut Off, LWCO.

EVO Companion Stainless Steel Packages

Hot Water Supply - CWIS™ Cold Water Injection System

Model	Gallon Capacity	BTU/Hr. Input	Up to GPH@ 100°F Rise	Wt. (lbs.)	List (\$)
HWD 129-80 CWIS	80	136,300	160		11,913
HWD 129-119 CWIS	119	136,300	160		13,841
HWD 199-80 CWIS	80	199,999	233	275	12,893
HWD 199-119 CWIS	119	199,999	233		14,833

EVO Companion Glass Packages

Hot Water Supply - CWIS™ Cold Water Injection System

Model	Gallon Capacity	BTU/Hr. Input	Up to GPH@ 100°F Rise	Wt. (lbs.)	List (\$)
HWDG 129-80 CWIS	80	136,300	160		11,994
HWDG 129-119 CWIS	119	136,300	160		12,579
HWDG 199-80 CWIS	80	199,999	233		13,107
HWDG 199-119 CWIS	119	199,999	233		14,601

EVO Companion Glass ASME Packages

Hot Water Supply - CWIS™ Cold Water Injection System

Model	Gallon Capacity	BTU/Hr. Input	Up to GPH@ 100°F Rise	Wt. (lbs.)	List (\$)
HWDG 129-119A CWIS	119	136,300	160		15,091
HWDG 199-119A CWIS	119	199,999	233		17,021
HWDG 199-160A CWIS	160	199,999	233		18,454
HWDG 299-119A CWIS	119	300,000	360		21,174
HWDG 299-160A CWIS	160	300,000	360		22,917
HWDG 399-119A CWIS	119	399,999	466		22,767
HWDG 399-160A CWIS	160	399,999	466		25,339
HWDG 599-119A CWIS	119	630,000	734		30,651
HWDG 599-160A CWIS	160	630,000	734		32,520

EVO Companion Packages

Indirect Companion

Model	Gallon Capacity	BTU/Hr. Input	Up to GPH@ 100°F Rise	Wt. (lbs)	List (\$)
HWDI 129-80 SC	80	136300	151	255	19,264
HWDI 129-80 DC	80	136300	152	270	20,058
HWDI 199-80 SC	80	199999	210	265	21,167
HWDI 199-80 DC	80	199999	221	280	21,700
HWDI 129-119 SC	119	136300	147	321	20,521
HWDI 199-119 SC	119	199999	220	331	22,424
HWDI 199-119 SCDW	119	199999	218	353	24,914
HWDI 299-119 DC	119	299999	326	456	27,671
HWDI 299-119 SCDW	119	299999	317	479	31,361
HWDI 399-119 DC	119	399999	373	539	30,967
HWDI 399-119 SCDW	119	399999	391	562	32,170

Note: Indirect Companion comes with the following: Eliminator Tank, EVO Heater, Pump, Condensate Drain and Expansion Tank (For Indirect Heating Side Only).

Hamilton '96 HOT WATER SUPPLY PACKAGES

Model No.	BTU/Hr Input	Up to GPH @ 100°F Rise	List (\$)	Pump Package	List (\$)	Total List (\$)	Weight (Pounds)
HXD 00500	500,000	576	47,683	Included		47,683	850
HXD 00750	750,000	864	50,835	Included		50,835	900
HXD 01000	1,000,000	1,152	54,614	Included		54,614	1,050
HXD 01250	1,250,000	1,441	69,257	Included		69,257	1,235
HXD 01500	1,500,000	1,729	80,701	Included		80,701	1,275
HXD 01750	1,750,000	2,017	84,252	Included		84,252	1,365
HXD 02000	1,999,000	2,304	92,269	Included		92,269	1,447
HXD 02500	2,500,000	2,881	121,665	Included		121,665	2,700
HXD 03000	3,000,000	3,457	134,275	Included		134,275	2,900
HXD 03500	3,500,000	4,034	153,093	Included		153,093	3,100
HXD 04000	4,000,000	4,610	161,786	Included		161,786	3,200
Pre-Plumbed Piping Manifolds							
Model		1Htr/1Tank	2Htrs/1Tank				

Note: LP Gas conversion at time of order is no charge, conversion from stock must consult factory.

Note: Elevation upgrade at time of order is no charge, conversion from stock must consult factory.

Hamilton '88 HOT WATER SUPPLY PACKAGES

Model No.	BTU/Hr Input	Up to GPH @ 100°F Rise	List (\$)	Pump Package	List (\$)	Total List (\$)	Weight (Pounds)
HFD 00500	500,000	528	27,653	PMP 90311-2(3)	1,665	29,318	545
HFD 00750	750,000	792	30,604	PMP 90309-2(2)	1,604	32,208	590
HFD 01000	1,000,000	1,056	33,794	PMP 90309-2(2)	1,604	35,398	670
HFD 01250	1,250,000	1,321	39,762	PMP 90320-2.5(3)	5,751	45,514	815
HFD 01500	1,500,000	1,585	43,442	PMP 90315-3(2)	6,255	49,698	855
HFD 01750	1,750,000	1,849	46,535	PMP 90315-3(3)	6,255	52,790	880
HFD 02000	1,999,000	2,112	49,640	PMP 90315-3(3)	6,255	55,896	930
HFD 02500	2,500,000	2,641	57,826	PMP 71023 x	3,860	61,686	1,300
HFD 03000	3,000,000	3,169	71,227	PMP 71024 x	3,552	74,779	1,400
HFD 03500	3,500,000	3,697	80,697	PMP 71034 x	5,813	86,510	1,500
HFD 04000	4,000,000	4,226	90,978	PMP 71034 x	5,813	96,791	1,600
Pre-Plumbed Piping Manifolds							
Model		1Htr/1Tank	2Htrs/1Tank				

Note: LP Gas conversion at time of order is no charge, conversion from stock must consult factory.

Note: Elevation upgrade at time of order is no charge, conversion from stock must consult factory.

Hamilton '85 HOT WATER SUPPLY PACKAGES

Model No.	BTU/Hr Input	Up to GPH @ 100°F Rise	List (\$)	Pump Package	List (\$)	Total List (\$)	Weight (Pounds)
HZD 00500	500,000	510	19,775	PMP 90311-2-115(3)	1,665	21,440	545
HZD 00750	750,000	765	22,902	PMP 90309-2-115(2)	1,604	24,506	590
HZD 01000	1,000,000	1,020	25,682	PMP 90309-2-115(2)	1,604	27,286	670
HZD 01250	1,250,000	1,276	30,194	PMP 90320-2.5-115(3)	5,751	35,946	815
HZD 01500	1,500,000	1,531	33,412	PMP 90315-3-115(2)	6,255	39,668	855
HZD 01750	1,750,000	1,786	35,938	PMP 90315-3-115(3)	6,255	42,193	880
HZD 01950	1,950,000	1,990	39,099	PMP 90315-3-115(3)	6,255	45,354	930
Pre-Plumbed Piping Manifolds							
Model		1Htr/1Tank	2Htrs/1Tank				

Note: Available in ON/OFF and 2 Stage, HZD 00500 only available in ON/OFF

Note: LP Gas conversion at time of order is no charge, conversion from stock must consult factory.

Note: Elevation upgrade at time of order is no charge, conversion from stock must consult factory.

V-TUBE HOT WATER SUPPLY PACKAGES

Model No.	BTU/Hr Input	Up to GPH @ 100°F Rise	List (\$)	Pump Package	List (\$)	Total List (\$)	Weight (Pounds)
HDD 00300 CSI	300,000	306	11,757	PMP 90311-1.5-115(2)	1,645	13,402	325
HDD 00600 2SSI	600,000	612	16,543	PMP 90309-2-115(2)	1,604	18,147	580
HDD 00750 2SSI	750,000	765	17,909	PMP 90309-2-115(2)	1,604	19,513	725
HDD 00900 2SSI	900,000	918	18,418	PMP 90309-2-115(3)	1,604	20,022	805
HDD 01050 2SSI	1,050,000	1,071	20,881	PMP 90309-2-115(3)	1,604	22,485	875
HDD 01350 2SSI	1,350,000	1,378	24,393	PMP 90341-2.5-115(2)	5,425	29,819	1,110
HDD 01500 2SSI	1,500,000	1,531	26,435	PMP 90341-2.5-115(3)	5,425	31,860	1,130
HDD 01950 2SSI	1,950,000	1,990	29,072	PMP 90334-3-115(3)	6,587	35,660	1,375
HDD 02100 2SSI	2,100,000	2,143	37,315	PMP 90334-3-115(3)	6,587	43,903	1,435
HDD 01050 4SSI	1,050,000	1,071	21,291	PMP 90309-2-115(3)	1,604	22,895	875
HDD 01350 4SSI	1,350,000	1,378	24,797	PMP 90341-2.5-115(2)	5,425	30,222	1,110
HDD 01500 4SSI	1,500,000	1,531	26,840	PMP 90341-2.5-115(3)	5,425	32,265	1,130
HDD 01950 4SSI	1,950,000	1,990	29,623	PMP 90334-3-115(3)	6,587	36,210	1,375
HDD 02100 4SSI	2,100,000	2,143	37,720	PMP 90334-3-115(3)	6,587	44,308	1,435

Pre-Plumbed Piping Manifolds

Model	1Htr/1Tank (\$)	2Htrs/1Tank (\$)	Stack Pack (\$)
300	2,697		
400-1050	3,158		
1350-2100	6,079		
400-600		6,150	
750-1050		10,508	

Note: LP Gas conversion at time of order is no charge, conversion from stock must consult factory.

Note: Elevation upgrade at time of order is no charge, conversion from stock must consult factory.

MINI-TUBE HOT WATER SUPPLY PACKAGES

Model No.	BTU/Hr Input	Up to GPH @ 100°F Rise	List (\$)	Pump Package	List (\$)	Total List (\$)	Weight (Pounds)
HSD 00150 CSI	150,000	146	5,311	PMP 90311-1.5-115(1)	1,645	6,956	170
HSD 00200 CSI	199,000	194	5,534	PMP 90311-1.5-115(2)	1,645	7,180	190
HSD 00250 CSI	250,000	243	5,887	PMP 90311-1.5-115(3)	1,645	7,532	210
HSD 00300 CSI	301,000	293	6,200	PMP 90311-1.5-115(2)	1,645	7,845	230
HSD 00350 CSI	350,000	340	6,864	PMP 90311-1.5-115(2)	1,645	8,509	250
HSD 00400 CSI	399,000	388	7,399	PMP 90311-1.5-115(2)	1,645	9,044	300
HSD 00150 2SSI	150,000	146	6,105	PMP 90311-1.5-115(1)	1,645	7,751	170
HSD 00200 2SSI	199,000	194	6,332	PMP 90311-1.5-115(2)	1,645	7,977	190
HSD 00250 2SSI	250,000	243	6,675	PMP 90311-1.5-115(3)	1,645	8,320	210
HSD 00300 2SSI	301,000	293	6,991	PMP 90311-1.5-115(2)	1,645	8,636	230
HSD 00350 2SSI	350,000	340	7,658	PMP 90311-1.5-115(2)	1,645	9,303	250
HSD 00400 2SSI	399,000	388	8,188	PMP 90311-1.5-115(2)	1,645	9,834	300

Pre-Plumbed Piping Manifolds

Model	1Htr/1Tank	2Htrs/1Tank	Stack Pack
100-400	2,589	5,512	

Note: LP Gas conversion at time of order is no charge, conversion from stock must consult factory.

Note: Elevation upgrade at time of order is no charge, conversion from stock must consult factory.

MULTI-TUBE II HOT WATER SUPPLY PACKAGES

Model No.	BTU/Hr Input	Up to GPH @ 100°F Rise	List (\$)	Pump Package	List (\$)	Total List (\$)	Weight (Pounds)
HLD 00600 CSI	600,000	591	13,051	PMP 90327-2-115(2)	2,049	15,100	580
HLD 00750 CSI	750,000	738	13,958	PMP 90327-2-115(3)	2,049	16,007	725
HLD 01050 CSI	1,050,000	1,034	18,626	PMP 90309-2.5-115(3)	2,327	20,953	805
HLD 01200 CSI	1,200,000	1,181	20,653	PMP 90319-2.5-115(2)	4,472	25,126	875
HLD 01480 CSI	1,479,000	1,456	22,206	PMP 90319-2.5-115(3)	4,472	26,678	1,110
HLD 01650 CSI	1,643,000	1,617	23,293	PMP 90319-2.5-115(3)	4,472	27,766	1,130
HLD 01970 CSI	1,971,000	1,940	27,147	PMP 90319-2.5-115(3)	4,472	31,620	1,375
HLD 02300 CSI	2,300,000	2,264	31,331	PMP 90315-3-115(3)	6,255	37,586	1,435
HLD 00600 2SSI	600,000	591	13,672	PMP 90327-2-115(2)	2,049	15,721	580
HLD 00750 2SSI	750,000	738	14,564	PMP 90327-2-115(3)	2,049	16,613	725
HLD 01050 2SSI	1,050,000	1,034	19,227	PMP 90309-2.5-115(3)	2,327	21,554	805
HLD 01200 2SSI	1,200,000	1,181	21,904	PMP 90319-2.5-115(2)	4,472	26,376	875
HLD 01480 2SSI	1,479,000	1,456	22,689	PMP 90319-2.5-115(3)	4,472	27,161	1,110
HLD 01650 2SSI	1,643,000	1,617	23,922	PMP 90319-2.5-115(3)	4,472	28,394	1,130
HLD 01970 2SSI	1,971,000	1,940	27,811	PMP 90319-2.5-115(3)	4,472	32,283	1,375
HLD 02300 2SSI	2,300,000	2,264	31,986	PMP 90315-3-115(3)	6,255	38,241	1,435

Pre-Plumbed Piping Manifolds

Model	1Htr/1Tank (\$)	2Htrs/1Tank (\$)	Stack Pack (\$)
400-600	3,069		
750			
1050-1200	5,747		
1480-2300			

Note: LP Gas conversion at time of order is no charge, conversion from stock must consult factory.

Note: Elevation upgrade at time of order is no charge, conversion from stock must consult factory.

Copperfin Series Options List(\$ Adder

	Hamilton '88	Hamilton '96	Hamilton '85	V-Tube
Pool Heater T6031 Stat	422	422	422	
Keyboard Disp. Module Honeywell S7800A	1201	1201	1201	
KY Code	230	230	230	230
Freeze Protection Kit	828	828	828	701
5' Pump Pigtail	'88 only available on 500-2000 166		166	166
	Multi-Tube II	Mini		
Pool Heater T6031 Stat	422	422		
Keyboard Disp. Module Honeywell S7800A				
KY Code	230	n/a		
Freeze Protection Kit	744	n/a		
5' Pump Pigtail	166	166		

CSD-1 Code Requirements: includes Manual Reset LWCO

	List (\$ adder
Hamilton '96	524
Hamilton '88 500-2000	524
Hamilton '88 2500-4000	Standard
Hamilton '85	586
V-Tube	736
Multi-Tube II	736
Mini-Tube	n/a

V-Tube

OPTIONAL POWER VENTING SYSTEMS

For Model		Max Pipe Length	List (\$)
HD 300	HS-1	30ft	1443
HD 400	HS-2	100ft	2290
HD 600	HS-2	67ft	2298
HD 750	HS-3	100ft	3661
HD 900	HS-3	100ft	3698
HD 1050	HS-4	100ft	4435
HD 1350	HS-4	100ft	4545
HD 1500-2100	HS-5	100ft	6293
Power Vent Wiring			240
Includes: Inducer, Vent Termination, Air Intake Hoods			

Hamilton '85

OPTIONAL POWER VENTING SYSTEMS

For Model		Max Pipe Length	List (\$)
HZ 500-750	HS-3	100ft	3563
HZ 1000	HS-4	100ft	4332
HZ 1250	HS-4	100ft	4442
HZ 1500	HS-5	100ft	6248
HZ 1750-1950	HS-5	100ft	6,298
Power Vent Wiring			240
Includes: Inducer, Vent Termination, Air Intake Hoods			

LOW WATER CUT OFFS**Ships Loose

McDonnell Miller - CSD-1 Manual Reset w/Test Switch	437
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* LWCO Standard for CSD-1

** Do not exceed amperage rating of the LWCO device.

3-Way Valves

Model	Part number	Cast Iron	size	Model	Part number	Bronze	Lead Time
A1530-140	13-0206	\$658	1 1/2"	B1530-140	13-0208	\$1,900	CF
A2010-140	13-0201	\$931	2"	B2010-140	13-0203	\$3,695	CF
A2510-140	13-0202	\$2,179	2 1/2"	B2510-140	13-0204	\$9,161	CF
A3010-140	13-0210	\$2,615	3"	B3010-140	13-0209	\$10,318	CF
A4010-140	13-0211	\$4,232	4"				

Control Accessories (Optional) List(\$ Adder

	Hamilton '88	Hamilton '96
BACnet MSTP/IP ProtoCessor	2469	2469
LonWorks ProtoCessor	2840	2840

Multi-Tube II

OPTIONAL POWER VENTING SYSTEMS

For Model		Max Pipe Length	List (\$)
HL 400	HS-2	100ft	2258
HL 600	HS-2	67ft	2264
HL 750	HS-3	100ft	3584
HL 1050	HS-4	100ft	4332
HL 1200-1480	HS-4	100ft	4442
HL 1650-2300	HS-5	100ft	6248
Power Vent Wiring			240
Includes: Inducer, Vent Termination, Air Intake Hoods			

Mini

OPTIONAL POWER VENTING SYSTEMS

For Model		Max Pipe Length	List (\$)
HS 100-250	HS-1	100ft	1335
HS 300-400	HS-2	100ft	2185
Power Vent Wiring			240
Includes: Inducer, Vent Termination, Air Intake Hoods			

Cupro-Nickle Heat Exchanger

Hamilton '85		Hamilton '88		Hamilton '96	
BTU/hr Input	List (\$) adder	BTU/hr Input	List (\$) adder	BTU/hr Input	List (\$) adder
500	961	500	961	500	961
750	961	750	961	750	961
1000	1505	1000	1505	1000	1505
1250	1505	1250	1505	1250	1505
1500	2040	1500	2040	1500	2040
1750	2040	1750	2040	1750	2040
1950	2489	2000	2489	2000	2489
		2500	3801	2500	3801
		3000	4155	3000	4155
		3500	4557	3500	4557
		4000	4979	4000	4979

Note: This is a list add on to the total system.

Cupro-Nickle Heat Exchanger

V-Tube		Multi-Tube II		Mini-Tube	
BTU/hr Input	List (\$) adder	BTU/hr Input	List (\$) adder	BTU/hr Input	List (\$) adder
300	781	400	516	100 - 400	521
400	781	600	814		
600	1044	750	814		
750	1044	1050	1173		
900	1480	1200	1173		
1050	1480	1480	2100		
1350	2100	1650	2100		
1500	2100	1970	2886		
1950	2886	2300	2886		
2100	2886				

Note: This is a list add on to the total system.

Outdoor Kit

Hamilton '85		Hamilton '88		Hamilton '96	
BTU/hr Input	List (\$) adder	BTU/hr Input	List (\$) adder	BTU/hr Input	List (\$) adder
500	4103	500	4103	500	4298
750	4363	750	4103	750	4298
1000	4363	1000	4363	1000	4298
1250	5156	1250	5156	1250	4692
1500	5156	1500	5156	1500	4692
1750	5156	1750	5156	1750	6779
1950	5156	2000	5156	2000	6779
		2500	6108	2500	6108
		3000	6108	3000	6108
		3500	9049	3500	9049
		4000	9049	4000	9049

Note: This is a list add on to the total system.

Note: Outdoor pump not included in list price adder.

Outdoor Kit

V-Tube		Multi-Tube II		Mini-Tube	
BTU/hr Input	List (\$) adder	BTU/hr Input	List (\$) adder	BTU/hr Input	List (\$) adder
300	1093	225	1093	100	908
400	1514	300	1093	150	957
600	1514	400	1181	200	957
750	1699	600	1181	250	1007
900	1699	750	1699	300	1007
1050	1699	1050	1699	350	1046
1350	2148	1200	2148	400	1046
1500	2148	1480	2148		
1950	2148	1650	2148		
2100	2148	1970	2148		
		2300	2148		

Note: This is a list add on to the total system.

Note: Outdoor pump not included in list price adder.

Outdoor Pump Kit - Does not include plumbing

Hamilton '85		Package #	List (\$)
BTU/hr Input			
HZ 0500	PMP 76014-3.25 .33ST		1763
HZ 0750	PMP 76015-3.25 .33ST		1791
HZ 1000	PMP 76015-3.75 .33ST		1791
HZ 1250	PMP 76018-3.75 .33ST		1887
HZ 1500	PMP 76018-3.75 .33ST		1887
HZ 1750	PMP 76017-3.25 .33ST		1858
HZ 1950	PMP 76017-3.75 .5ST		1943

Mini-Tube		Package #	List (\$)
BTU/hr Input			
HS 0100	PMP 76014-3.25 .33ST		1763
HS 0150	PMP 76014-3.25 .33ST		1763
HS 0200	PMP 76014-3.25 .33ST		1763
HS 0250	PMP 76014-3.25 .33ST		1763
HS 0300	PMP 76016-3.25 .33ST		1847
HS 0350	PMP 76016-3.25 .33ST		1847
HS 0400	PMP 76016-3.25 .33ST		\$1,847.00

Hamilton '88		Package #	List (\$)
BTU/hr Input			
HF 0500	PMP 76014-3.25 .33ST		1763
HF 0750	PMP 76015-3.25 .33ST		1791
HF 1000	PMP 76015-3.75 .33ST		1791
HF 1250	PMP 76018-3.75 .33ST		1887
HF 1500	PMP 76018-3.75 .33ST		1887
HF 1750	PMP 76017-3.25 .33ST		1858
HF 2000	PMP 76017-3.75 .5ST		1943
HF 2500	PMP 71034 ST		5,813
HF 3000	PMP 71034 ST		5,813
HF 3500	PMP 71034 ST		5,813
HF 4000	PMP 71033 ST		

V-Tube		Package #	List (\$)
BTU/hr Input			
HD 0300	PMP 76014-3.25 .33ST		1763
HD 0400	PMP 76014-3.25 .33ST		1763
HD 0600	PMP 76015-3.25 .33ST		1791
HD 0750	PMP 76015-3.25 .33ST		1791
HD 0900	PMP 76015-3.75 .33ST		1791
HD 1050	PMP 76015-3.75 .33ST		1791
HD 1350	PMP 76016-3.25 .33ST		1847
HD 1500	PMP 76016-3.75 .5ST		1926
HD 1950	PMP 76016-3.75 .5ST		1926
HD 2100	PMP 76016-4.25 .75ST		1955

Multi-Tube II		Package #	List (\$)
BTU/hr Input			
HL 0400	PMP 76014-3.25 .33ST		1763
HL 0600	PMP 76014-3.25 .33ST		1763
HL 0750	PMP 76014-3.75 .33ST		1763
HL 1050	PMP 76015-3.75 .33ST		1791
HL 1200	PMP 76015-3.75 .33ST		1791
HL 1480	PMP 76016-3.25 .33ST		1847
HL 1650	PMP 76017-3.25 .33ST		1858
HL 1970	PMP 76017-3.75 .5ST		1943
HL 2300	PMP 76017-4.25 .75ST		1967

Gas Fired Tank-Type Water Heaters

Model	Gallon Capacity	BTU/Hr. Input	Up to GPH@ 100°F Rise	Vent Size Inches	Wt. (lbs.)	List (\$)
HE 60-55	55	60,000	65	4	185	4014
HE 75-75	74	75,100	73	4	285	5699
HE 100-75	98	75,100	73	4	350	7063
HED 70-120	71	120,000	116	5	400	10765
HED 80-155	81	154,000	149	6	470	13683
HED 80-180	81	180,000	175	6	470	14109
HED 80-200	81	199,000	193	6	470	14195
HED 100-199	100	199,000	193	6	630	14567
HED 100-199A	100	199,000	193	6	725	18353
HED 100-250A	100	250,000	242	8	725	19691
HED 65-250A	65	251,000	243	8	862	18669
HED 100-275A	100	275,000	267	8	725	20180
HED 65-305A	65	305,000	296	8	862	20319
HED 85-365A	85	365,000	354	8	833	22451
HED 100-400A	100	390,000	378	8	874	27024
HED 85-500A	85	500,000	485	8	856	29392

NON ASME Florida and Caribbean Only!

HED 100-250	100	250,000	242	8	630	16,097
HED 65-250	65	251,000	243	8	750	15144
HED 100-275	100	275,000	267	8	630	16588
HED 65-305	65	305,000	296	8	750	16,912
HED 85-365	85	365,000	354	8	725	18,975
HED 100-400	100	390,000	378	8	760	23,711
HED 85-500	85	500,000	485	8	820	26,711

Electric Tank-Type Water Heaters

Model	Gallon Capacity	KW Input	Up to GPH @ 100°F Rise	Wt. (lbs.)	208/240v List (\$)	277/480v List (\$)
HEI 50-18	50	18	74	265	11,171	11,506
HEI 50-27	50	27	111	265	14,654	15,093
HEI 50-36	50	36	147	265	14,995	15,445
HEI 80-18	80	18	74	280	13,715	14,126
HEI 80-27	80	27	111	280	17,196	17,712
HEI 80-36	80	36	147	280	17,537	18,064
HEI 80-45	80	45	184	280	20,976	21,605
HEI 80-54	80	54	221	280	21,376	22,017
HEI 119-18	119	18	74	390	15,698	16,169
HEI 119-27	119	27	111	390	19,179	19,754
HEI 119-36	119	36	147	390	19,522	20,107
HEI 119-45	119	45	184	390	20,065	20,667
HEI 119-54	119	54	221	390	23,359	24,060
HES 50-18	50	18	74	265	8,359	8,610
HES 50-27	50	27	111	265	11,840	12,195
HES 50-36	50	36	147	265	12,181	12,547
HES 80-18	80	18	74	280	10,530	10,846
HES 80-27	80	27	111	280	14,011	14,431
HES 80-36	80	36	147	280	14,354	14,785
HES 80-45	80	45	184	280	17,793	18,327
HES 80-54	80	54	221	280	18,191	18,737
HES 119-18	119	18	74	390	12,206	12,572
HES 119-27	119	27	111	390	15,686	16,157
HES 119-36	119	36	147	390	16,028	16,509
HES 119-45	119	45	184	390	16,981	17,491
HES 119-54	119	54	221	390	19,867	20,463

HEI denotes immersion thermostat

480 volt models available in three phase only

All tanks include mounted relief valve

Storage capacities up to 2500 gallons and inputs to 576 KW available - Call Factory

Steam Water Heaters

Model	GPH @ 100°F Rise	Boiler HP Required.	GPH @ 120°F Rise	Boiler HP Required.	Total List (\$)	Wt. (lbs.)
HETV 220-450	450	11.2	375	11.2	17,836	573
HETV 257-539*	539	13.41	420	12.54	18,539	661
HETV 275-564	564	14.03	473	14.12	17,939	676
HETV 350-696	696	17.32	546	16.3	18,637	782
HETV 432-856*	856	21.3	718	21.44	22,312	993
HETV 500-1004*	1,004	24.98	842	25.14	22,744	1,112
HETV 650-1556*	1,556	38.72	1,305	38.97	35,282	1,576
HETV 750-1823*	1,823	45.36	1,529	45.66	37,878	1,775
HETV 1000-2264	2,264	56.34	1,764	52.67	40,482	2,090
HETV 1250-2595	2,595	64.57	2,022	60.38	48,583	2,830
HETV 1500-3844	3,844	95.66	3,621	108.13	50,417	3,752
HETV 2000-5253	5,253	130.72	4,947	147.72	79,177	4,348

Above packages are completely assembled and then "knocked down" for shipping. Package includes:

Tank, Steam Coil, (2) Wye Strainers, Steam Control and Drip and Process Steam Traps & recirc pump/loop.

Capacities shown are based on a minimum incoming steam pressure to controls of 100 PSI.

* Sizing based on a 50 PSI operating pressure after steam control. All others based on 75 PSI.

Eliminators are available for shipment within 2 weeks or less, all others are 6 week lead time.

All above package prices are based on vertical tanks.

For mounted secondary condensate return coil add:	\$4,016
For pre-piped condensate bypass valve and tank over temperature control add:	\$2,446 (to 100 BHP)
(three way valve and tankstat with well)	\$3,792 (to 250 BHP)

Eliminator "Quick Size" Chart

Washers	GPH	HP required	Eliminator Model
(1) 35#	100	1.5	HET 73080 DC - 80 Gal
(1) 50#	120	1.8	HET 73080 DC - 80 Gal
(1) 60#	130	2	HET 73080 DC - 80 Gal
(2) 35#	200	3.6	HET 73120 DC - 120 Gal
(1) 35 & 50#	220	4.1	HET 73120 DC - 120 Gal
(1) 35 & 60#	230	4.2	HET 73120 DC - 120 Gal
(2) 50#	240	4.4	HET 73120 DC - 120 Gal
(1) 50 & 60#	250	4.5	HET 73120 DC - 120 Gal
(2) 60#	260	4.7	HET 73120 DC - 120 Gal

Note: For larger applications multiple "ELIMINATORS" can be used.

We encourage you to use our free water heating system sizing program at: (800) 968-5530

Eliminator Packages

Eliminator Model Number	Package Description	Package List Price (\$)	Package w/Plumbing (\$)
HET 73080 SC	Single Coil-Condensate	5,864	7,532
HET 73080 SC	Single Coil-Steam	7,128	8,855
HET 73080 DC	Dual Coil-Steam & Condensate*	8,279	11,525
HET 73120 SC	Single Coil-Condensate	7,121	8,789
HET 73120 SC	Single Coil-Steam	8,385	10,111
HET 73120 DC	Dual Coil-Steam & Condensate*	10,041	13,287

Packages include: Tank & Coil(s), Steam &/or Condensate Controls (Solenoid, Traps, Strainers, Bypass Valve, Temp Controls), Relief Valve, Temp Gauge, PH-12 Expansion Tank.

Plumbing Packages include: All of the above & Ball Valves, Drip Trap, and Check Valve piped together into a manifold ready for installation.

* Suggested units for most applications. Steam-only does not utilize condensate. Condensate-only will not produce enough hot water in most applications.

Steam Water Heating Packages

The Eliminator

Model	••GPH @ 100°F Rise	•Boiler HP Required.	••GPH @ 120°F Rise	•Boiler HP Required.	Total List (\$)	Wt. (lbs.)
HET 73080 SC	216	2.76	180	2.24	4,207	144
HET 73080 DC	256	3.76	213	3.22	4,580	165
HET 73120 SC	320	5.35	267	4.84	5,464	210
HET 73120 DC	405	7.47	338	6.96	6,343	232

Note: This pricing is for the Eliminator Only.

		Single Unit List(\$)	Dual Units List(\$)
Control Packages	Over temperature protection controls * does not include relief valve, expansion tank and thermometer Steam control package	778	845
Pre-Plumbing	Pre-plumb - Deluxe, steam or condensate only * Plumbing only Pre-plumb - Deluxe combination package * Plumbing only	1,669	4,589
		3,246	6,168

•• GPH rise is calculated on maximum capacity of coil(s) and may not reflect application conditions.

• Boiler HP required is just for steam consumption and is based on maximum output of steam coil only.

Storage Tanks

Model	Dimensions	Lining	List (\$)	Wt (lbs)	C.W.I.S.	Total List (\$)	Cement Lining Upcharge
HET 76080 *	24" x 66"	Stainless Steel	2,663	156	Included in Tank pricing		N/A
HET 00080 *	24" x 58.75"	Glass lined	2,516	222	HET 72080 - with CWIS	\$3,532	N/A
HET 73120 *	28" x 69.75"	Stainless Steel	4,415	180	CWIS 90101 & CWIS 90201	\$5,474	N/A
HET 00120 *	28" x 62.50"	Glass lined	3,352	345	HET 72120 - with CWIS	\$4,527	N/A
HET 02120 ASME + *	28" x 62.50"	Glass lined	4,377	360	HET 72120 A - with CWIS	\$6,739	N/A
HET 72160 ASME *	28" x 66.50"	Glass lined	7,936	675	CWIS 90102 & CWIS 90202	\$9,006	N/A
HET 175 ASME + *	32" X 67.25"	Glass lined	7,031	525	CWIS 90302 & CWIS 90402	\$7,578	N/A
HET 200 ASME *	32" x 77.25"	Glass lined	7,343	600	CWIS 90302 & CWIS 90402	\$7,890	N/A
HET 220 ASME	30" x 76"	Glass lined	6,307	548	CWIS 90103 & CWIS 90203	\$7,371	\$2,390
HET 257 ASME	30" x 87"	Glass lined	6,696	628	CWIS 90103 & CWIS 90203	\$7,760	\$2,232
HET 275 ASME	36" x 76"	Glass lined	6,985	617	CWIS 90104 & CWIS 90204	\$8,067	\$2,805
HET 350 ASME	36" x 87"	Glass lined	7,557	653	CWIS 90104 & CWIS 90204	\$8,638	\$3,810
HET 432 ASME	42" x 76"	Glass lined	10,072	816	CWIS 90105 & CWIS 90205	\$11,189	\$3,872
HET 500 ASME	42" x 88"	Glass lined	10,133	902	CWIS 90105 & CWIS 90205	\$11,251	\$6,898
HET 650 ASME	48" x 88"	Glass lined	15,698	1,254	CWIS 90106 & CWIS 90206	\$17,031	\$5,900
HET 750 ASME	48" x 100"	Glass lined	17,914	1,440	CWIS 90106 & CWIS 90206	\$19,248	\$4,055
HET 1000 ASME +	48" x 124"	Glass lined	19,617	1,760	CWIS 90106 & CWIS 90206	\$20,951	\$6,503
HET 1250 ASME +	54" x 124"	Glass lined	27,190	2,508	CWIS 90107 & CWIS 90207	\$28,979	CF
HET 1500 ASME +	60" x 124"	Glass lined	36,523	3,290	C/F		CF
HET 1750 ASME +	60" x 148"	Glass lined	41,197	3,693	C/F		CF
HET 2000 ASME +	60" x 172"	Glass lined	45,777	4,012	C/F		CF

+ 6-8 week lead time for models indicated and all cement lined models.

Note: Tanks 432 gallon and above built after 1/1/14 come standard with manway.

* Pre-insulated tanks, all others should add insulation option below.

Note: Cement Lined tanks available on request.

Options & Accessories

Tank Saddles - Horizontal applications - Per pair

Diameter	List (\$)	Wt (lbs)	Diameter	List (\$)	Wt (lbs)
30"	871	49	48"	1,600	115
36"	980	57	54"	1,799	148
42"	1,456	88	60"	2,493	171

Non-Standard Tank Opening Options - 150# Steel Flanged (per opening)

Size	List (\$)	Size	List (\$)
4"	432	8"	923
6"	708	10"	1,221

Manways

Size	List (\$)
12" x 16"	939

Tank Insulation Options Models HET 80 - HET 200 are factory insulated and jacketed

Tank Model	Kit - Foil Faced*	2" Sprayed on** Outdoor Rated	Steel Jacket***
	R-4 MicroFoam List (\$)	Polyurethane Foam/Acrylic List (\$)	Over 2" Foam List (\$)
HET 220 ASME	640	3,259	1,759
HET 257 ASME	640	3,259	3,151
HET 275 ASME	708	3,667	6,207
HET 350 ASME	708	3,667	6,207
HET 432 ASME	771	4,889	5,254
HET 500 ASME	771	5,704	6,747
HET 650 ASME	895	7,333	5,054
HET 750 ASME	895	7,333	4,638
HET 1000 ASME	895	9,778	5,555
HET 1250 ASME	965	11,815	N/A
HET 1500 ASME	1,093	14,259	N/A
HET 1750 ASME	1,166	15,481	N/A
HET 2000 ASME	1,289	17,111	N/A

*Can ship immediately with stock tanks. **Two week lead time using stock tanks. R-value 6.9 per inch ***8-10 week delivery.

Expansion Tanks

Sizing Chart

Required tank capacity in gallons

Storage Tank Size	Water Temperature Rise				
	60°ΔT	80°ΔT	100°ΔT	120°ΔT	140°ΔT
80	1.38/.64	2.42/1.12	3.62/1.68	5.04/2.34	6.65/3.09
120	2.08/.97	3.63/1.69	5.42/2.52	7.56/3.51	9.98/4.64
200	3.46/1.61	6.05/2.81	9.04/4.20	12.6/5.86	16.64/7.74
220	3.81/1.77	6.65/3.09	9.94/4.62	13.86/6.44	18.3/8.51
240	4.15/1.93	7.25/3.37	10.85/5.04	15.12/7.03	19.96/9.28
275	4.76/2.21	8.31/3.87	12.43/5.78	17.32/8.05	22.88/10.64
350	6.06/2.82	10.58/4.92	15.82/7.35	22.04/10.25	29.12/13.54
500	8.66/4.03	15.11/7.03	22.6/10.51	31.49/14.64	41.59/19.34
750	12.98/6.04	22.67/10.54	33.89/15.76	47.24/21.97	62.39/29.01
1000	17.31/8.05	30.23/14.06	45.19/21.01	62.98/29.29	83.19/38.68

Note:

1. This sizing is based on maximum working pressure of Hamilton Storage Tanks.
2. Maximum city water pressure designed for is 60 PSI. For higher pressures, contact Hamilton Engineering.

Potable Water Expansion Tanks - NON ASME

Model	Hamilton No.	Dimensions	Gallon Capacity Total/Accept	Wt. (lbs.)	List (\$)
PH 5	HET 11011	8" x 11.6"	2.1/1.0	5	128
PH 12	HET 11012	11.0" x 14.5"	4.5/2.5	10	151
PH 25	HET 11013	12.5" x 18.9"	9.0/4.5	15.4	629
WHV 50	HET 11014	16.0" x 21.7"	15.0/6.0	32	1,019
WHV 75	HET 11015	16.0" x 28.8"	20.0/8.0	39	1,182
WHV 120	HET 11016	21.0" x 27.8"	32.0/14.4	60	1,527
WHV 165	HET 11017	21.0" x 36.2"	44.0/17.7	72	2,057
WHV 320	HET 11018	26.0" x 44.4"	81.0/32.6	140	2,818
FX 500	HET 61012	31.0" x 61.0"	158/103	626	5,626
FX 750	HET 61013	31.0" x 75.0"	211/107	760	6,591

Potable Water Expansion Tanks - ASME

Model	Hamilton No.	Dimensions	Gallon Capacity Total/Accept	Wt. (lbs.)	List (\$)
TTA 5	HET 61020	10" X 11"	3.5/1.3	21	2,347
TTA 12	HET 61021	12" X 13"	5.0/3.1	34	2,625
TTA 20	HET 61022	12" X 21"	8.0/3.1	49	2,860
TTA 30	HET 61023	16" X 17"	15.0/10.5	84	3,373
TTA 42	HET 61024	16" X 24"	22.0/15.5	98	3,582
TTA 60	HET 61025	16" X 34"	26.0/15.5	125	4,178
TTA 80	HET 61026	16" X 45"	35.0/15.5	190	4,398
TTA 100	HET 61027	24" X 40"	45.0/21.0	230	4,919
TTA 160	HET 61029	24" X 53"	70.0/52.5	255	6,173
TTA 210	HET 61031	24" X 60"	90.0/52.5	295	6,932

Note: Larger sizes and capacities are available. Contact Hamilton Engineering for details.

Service Tools

Description	Part Number	Wt. (lbs.)	List (\$)
Draft Gauge	GTP 49003	1.00	120
Minihelic gauge 0" - 2" w.c. with connection kit/mount bracket	GTP 49002	1.00	331
Minihelic gauge 0" - 20" w.c. with connection kit/mount bracket	GTP 49006	1.00	331
Electronic Manometer/Differential Air Meter (-15" - +48")	GTP 40620	2.00	731
Combustion Analyzer with Manometer	GTP 40709	6.00	1,256
Combustion Analyzer with NOX	GTP 40714	6.00	4,099
Thermal paper IR Printer for both line items above	GTP 40740	2.00	487
PH Test Strips, 1 - 14 range w/color guide pk/50	MSC 33811	1.00	80

Miscellaneous Accessories

Temperature and Pressure Relief Valves				MBTU rating		
Part No.	Mfr. No.	Pressure	Size	AGA/ASME	Wt. (lbs.)	List(\$)
RLV 02006	NCLX-1	150	.75"M	95/500	0.50	63
RLV 02008	18C511	125	.75"M	205/1619	1.40	762
RLV 02007	FVX3-C	150	.75"F	185/1912	1.25	323
RLV 01014	18C512	150	.75"F	205/1912	1.50	295
RLV 01017	FVX5-C	125	1"F	500/1825	3.60	363
RLV 01015	FVX3-C	150	1"F	500/2155	3.75	423
RLV 01019	FVX5-L	125	1"F	750/3070	2.50	727
RLV 01016	FVX5-L	150	1"F	750/3625	2.50	674
RLV 01020	FVX4	125	1.5"	1200/5125	4.25	2,262
Pressure Only Relief Valves						
RLV 02005	F 30	30	.75"M	510	1.00	128
RLV 02001	F 95	50	.75" x 1"	1391	1.40	307
RLV 02009	F 95	75	.75" x 1"	1940	4.00	332
RLV 10417-75	10-417	75	.75" x .75"	972		113
RLV 10605-75	10-605	75	1" x 1"	2728		747
RLV 02013	F 82	150	.75"	3116	1.25	313
RLV 03006	17-402	125	.75"	791	0.50	151
RLV 03011	10-407	30	.75"	535	0.60	113
RLV 03015	10-104	30	.75" x 1"	710	1.10	250
Gauges						
Part No.	Description	Range				List (\$)
GTP 02900	T&P - 2.5" dial - 1/4" back connect	0-60 PSI - 60°-250°F				189
GTP 03000	Thermometer - 2" dial - 3/8" back connect	0° - 260°F				88
GTP 10060	Thermometer - 3" dial - 1/2" back connect	0° - 250°F				132
For HET 85,100 Insulated & Jacketed and HET 220 - HET 2000 uninsulated.						
GTP 90061	Thermometer - 3" dial - 1/2" back connect	0° - 250°F				396
For HET 200 Insulated, includes brass well (GTP 01001).						
Replacement Parts						
Part No.	Description					List (\$)
WTR 92043	Flow Switch FS4-3/ V6					771
WTR 52043	Flow Switch / IFS-1					350
WTR 62056	Flow Switch / V10, Micros					162
WTR 62058	Flow Switch / V10 399-599					162
PLT 03400	Hot Surface Ignitor - All V-Tube and Multi-Tube II					186
RLY 02023	S-86 H Electronic Ignition Control for Mini - 45 - 499					392
RLY 02400	Ignition module for HV 150 - 299					1,485
RLY 02402	Ignition module for HV 401 - 751					1,583
RLY 03428	Ignition module for HE 495 - 2066					1,429
RLY 03002	Ignition module for HV 991 - 2071					1,575
TRF 02004	Transformer - 50VA 120 volt x 24 volt					197
TRF 02005	Transformer - 75VA 120 volt x 24 volt					395
TRF 02701	Transformer - 150VA 120 volt x 24 volt					752
TST 63000	Tankstat with well					545
TST 02014	High Limit					965
TST 02015	Manual Reset High Limit					822
TST 02005	Low Range Pool Control					1,090
TST 02900	Mini Limit/Hi-Limit					436
TST 30010	Mini Operating Control					426
TST 02701	Operator - Multi-Tube II/88, HLC 02701 - High Limit V-Tube/88'					899

EVO Parts

Part #	Description	List (\$)
BNR 74025 B	Burner HW299 - 80mm x 210 mm	187
BNR 74027	Burner HW399	171
BNR 74029	Burner HW599	289
BNR 74030	Burner HW199/179/129	102
BNR 74702	Burner Door Assembly for EVO duo/micro	130
BNR 74056A	Burnerdoor High Altitude	136
CDK 74038 B	Drain Hose Condensate	9
CDK 74063	Drain Condensate Clean Out EVO duo	33
CDK 74084	Drain Housing Condensate	118
CDK 94114	Condensate Drain Assembly HW 79-199.1	62
CDK 94101	Drain Assembly Lower HW 199-399	74
CDK 94102	Drain Assembly Lower HW 599	52
FAN 74059	Venturi HW129/179	41
FAN 74056	Venturi HW199	124
FAN 74058	Venturi HW399/299	100
FAN 74059	Venturi HW79-199.1	41
FAN 74061 A	Venturi HW599	180
FAN 74069	Fan RG 148 w/O-Ring HW199-HW399	1,015
FAN 74070	Fan RG 175 w/O-Ring HW 599	1,938
FAN 74313	Fan RG 128e EVO micro HW179-199.1, Enhanced	780
FAN 74418	Fan G1G170 EVO trio	2,430
FAN 30203B-240	Fan Nautilair 7.6 Std Output 299/399	1,025
FAN 90399-240 CE	HW399 Fan Core Exchange Package	1,515
FAN 90599-240	Fan Package HW599	1,860
FAN 90599-240 CE	HW599 Fan Core Exchange Package	2,512
FAN 60101-230	Fan HW129 to HW199.1	863
GKT 30215	1" Gasket for Grundfos pumps	7
GKT 30216	Gasket Uni-Flange Ball Valve 1 5/8	8
PRP 20024	Pump Gaskets for 43-75	45
GKT 74018	Gasket for electrode HW79-1999 - new electrodes do not need this gasket	6
GKT 74004	Gasket Flue Bushing HW79-199.1	4
GKT 74029	Gasket Down Tube	13
GKT 74031	Gasket Seal Ring 4	20
GKT 74032	O-ring SS HW299 Arms	6
GKT 74033	O-ring SS HW399 Arms	6
GKT 74034	O-ring SS HW599 Arms	6
GKT 74037	Sealing Gasket HW79-HW199.1 Condensate	10
GKT 74039	Gasket Fan HW599	12
GKT 74040 B	Gasket Gas Inlet Manifold mount plate to cabinet	11
GKT 74041	Gasket HW299-599 Air Inlet connection	5
GKT 74042	Gasket Air Inlet connection HW79-199.1	6
GKT 74049	Gasket Fan HW199-399	8
GKT 74053	Gasket Gas/Air Inlet Pipe & Fan-38mm, HW129	14
GKT 74055	Gasket nylon for HW129 gas valve	3
GKT 74056	Gasket Silicon Flue gas outlet HW599	31
GKT 74058	Gasket Gas/Air Inlet pipe & fan-38, HW179	10
GKT 74064	Gasket Outer for Fast connect arms HW79-199.1	6
GKT 74065	Gasket Outer for Fast connect arms HW299-599	7
GKT 74081	Gasket Silicon Flue gas outlet HW299-399	37
GKT 74093	Flue Gas Analyzer Port Plug EPDM HW79/599	2
GKT 74129 C	EPDM Gasket for arm HW79-199.1	9
GKT 74131	O-ring SS HW79/199.1 Arms	6
GKT 74132	Gasket Siphon HW199/399 5/8ID Hose	4

EVO Parts (Cont.)

Part #	Description	List (\$)
GKT 74139	Gasket Siphon HW599	8
GKT 74299 B	EPDM Gasket for arm connection HW299	10
GKT 74300	Gasket for flue outlet pipe HW79-199.1	20
GKT 74399 B	EPDM Gasket for arm HW399/599	4
GTP 60060	Gauge T & P Tridicator, 1/2" back mount 0-60psi, 80-290°F	112
GTP 60100	Gauge T & P Tridicator, 1/2" back mount 0-100psi,80-290°F	134
GTP 60200	Gauge T & P Tridicator, 1/2" Back mount 0-200psi, 80-290°F	140
HLC 74066	Hi Limit EVO Family 195°F	34
HLC 74274	Hi Limit EVO Family 225°F	30
HLC 74600	Limit Temperature Switch Burner Door HW79-599	13
HLC 74700	Limit Temperature Switch Trio Burner Door	13
JKR 74042	Bracket Wall Mount EVO micro	73
JKR 74075	Plate Protection Boiler Control	75
JKR 74127	Mounting plate for micro	228
MSC 74008 A	Tube Air Vent EVO duo	112
MSC 74024	Elbow 1/8" in x1/8" out HW79-199.1 High Limit	21
MSC 74047	Air Intake Assembly, HW399	342
MSC 74133	Bushing SS Hi Limit HW79-199.1 G1/8"	48
MSC 74134	Bushing SS Hi Limit G1/4"-M5	104
MSC 74063	Nut Spread	12
MSC 74065	Plastic retaining clip for EVO Pres. Switch	7
MSC 74072	Plastic screw for Gas mixing box (129-399)	2
MSC 74073	Plastic screw for Gas mixing box (599)	4
MSC 74081	Flue gas collector for HW129/179	124
MSC 74083	Plastic feet for EVO duo/micro	10
MSC 74085	Plastic bushing for HW199-599 Cabinet	7
MSC 74101	Flue Gas Outlet Connection HW129/179	85
MSC 74291	Top of plug for VST-1 connection	10
MSC 74292	Top of plug for VST-6 connection	15
MSC 74293	Top of plug for VST-5 connection	19
MSC 74294	Top of plug for VST-5 connection	16
MSC 74295	Top of plug for VST-6 connection	18
MSC 74328	Red Button for Display panel	5
PLT 94318 A	Pilot Spark Electrode Assembly for EVO Family	90
PLT 94319	Pilot Spark Electrode Assembly Trio Knurled	111
PLT 03400	Pilot H.S.I.	186
PRS 74084	Switch P Condensate HW1499-1999	343
PRS 74326 A	Switch P Condensate HW79-599	136
PRS 74443	Switch P Low Gas EVO trio	1,086
PRS 74444	Switch P High Gas EVO trio	1,127
PRS 90001	Pressure Switch Retrofit Kit EVO 79-199.1	176
PRS 90002	Pressure Switch Retrofit Kit EVO 299-599	179
RLV 03006	Valve Relief P 125# .75 (EVO duo/micro)	151
RLV 03011	Valve Relief P 30# .75 (HW79-399)	113
RLV 03015	Valve Relief P 30# .75 (HW599)	250
RLV 10417-50	Valve Relief P 30# .75 (HW599)	138
RLV 10605-125	Valve Relief P 125# 1x1 (EVO trio)	450
RLV 10615-50	Valve Relief P 50# 1x1 (EVO trio)	580

EVO Parts (Cont.)

Part #	Description	List (\$)
RLY 74061	Display Assembly HW79-599	202
RLY 74062	Control Board EVO Family	826
RLY 74300	Circuit Board Cascade	163
RLY 74356	Circuit Board Open Term	52
RLY 74360	Gateway for BMS LON	3,732
RLY 74361	Gateway for BMS BACnet	3,732
RLY 74362	Gateway for BMS MODBUS	3,732
STD 95150	Rack (1) HW79-199.1	270
STD 95151	Rack (2) HW79-199.1	380
STD 95154	Rack (1) HW299-599	270
STD 95155	Rack (2) HW299-599	380
STD 95170	Leg Wall Rack HW299-599	327
STD 95171	Leg Free Standing HW299-599	327
STD 95172	Leg Wall Rack HW79-199.1	327
STD 95173	Leg Free Standing HW79-199.1	327
TST 71010	Immersion Style 1/2"NPT w/4" Stem with well Sensor for HSS/Tank/Piping	79
TST 71020	Strap-on Sensor 2" - 5" pipe	58
TST 71030	Outdoor Air Sensor - weatherproof encl.	49
TST 74287 S	Sensor Inlet/Outlet for HW Series	53
TST 74395	Sensor Inlet/Outlet NTC for HW129/179	38
TST 74400	Remote Boiler Control	792
TST 74401	Remote DHW Control	1,054
TST 76011	Sensor Tank 1/8" NPT w/5' lead and 2" probe	220
TST 76110	Sensor Tank -7' lead & 2"x3/16 probe for well	91
TST 76071	Sensor Tank 1/8"NPT with 5' lead and 1" probe	220
VAL 74050	Valve Gas HW79/599	301
VAL 74041	Valve Gas Assembly HW1499-1999	2,885
VAL 74096	Valve Non-Return EVO micro	86
VAL 74097	Valve Non-Return EVO Duo 399	86
VAL 74098	Valve Non-Return EVO Duo 599	131
VAL 74347	Coil Gas Valve EV1	122
VAL 74348	Coil Gas Valve EV2	150
WRE 74064	Cable Spark Ignition HW79-599	38
WRE 74090	Wire Harness Heating	241
WRE 74338	Cable Cascade control	61
WRE 74339	Cable Alarm contact	71
WRE 74447	Cable Spark Ignition HW1499-1999 Lower	182
WRE 74448	Cable Spark Ignition HW1499-1999 Upper	121
WTR 52044	Switch Flow HW1499-1999	413
WTR 62056	Switch Flow V-10 Micro	162
WTR 62057	Switch Flow V-10 HW299	162
WTR 62058	Switch Flow V-10 HW399-599	162

EVO Maintenance Parts List for Service Vehicles

Part Number	Description	List Price
ACK 90003	Acid Cleaning Kit EVO Micro SS Arms	\$776
ACK 90004	Acid Cleaning Kit EVO Micro Copper Arms	\$837
ACK 90005	Acid Cleaning Kit EVO DUO SS Arms	\$895
ACK 90006	Acid Cleaning Kit EVO DUO Copper Arms	\$865
ACK 90007	Complete Acid Cleaning kit, all models	\$1,068
ACK 90008	Acid cleaning fittings only, all models	\$338
BNR 74702	Burner Door Assembly EVO79-599	\$130
FIB 74007	Fiberboard Burner Door EVO 79-599	\$92
FIB 74098	Fiberboard Back Wall, 10mm	\$43
FIB 74114	Fiberboard Burner Door EVO Trio	\$50
FIB 74117	Fiberboard Back Wall, 16mm New Version	\$56
FIB 74600	Fiberboard Back Wall 16mm "Special Field Service"	\$73
HEX 61102	Fernox DS40 System Cleaner	\$75
HEX 57882	Fernox F3 Cleaner Restorer	\$50
HEX 57880	Fernox F1 Inhibitor	\$47
HLC 74066	Hi Limit EVO 79-1999 195°F	\$34
HLC 74274	Hi Limit EVO 79-1999 225°F	\$30
HLC 74376	Hi Limit EVO 79-1999 155°F	\$75
HWT 00101	Limestone 3/4 Clean	\$6/lb
MSC 33811	Test Kit PH	\$80
MSC 74027	Screw Combustion Chamber 10mm Insulation	\$1
MSC 74028	Screw Combustion Chamber 16mm Insulation	\$7
MSC 74029	Washer for Combustion Chamber Insulation	\$12
PLT 94318 A	Pilot Spark Electrode Assembly EVO 79-599	\$90
TST 74287 S	Stainless Inlet/Outlet Sensor EVO 79-1999	\$53
WTR 62052 S	Flow Switch V-10 - Uncut for use on all models	\$154

Per appliance consumables all ASME models See LIT 91189 for details

Part Number	Description	List Price
MNT 94308B	Kit Maintenance Heat Exchanger 10mm HW79-599	\$206
MNT 94309B	Kit Maintenance Heat Exchanger 16mm HW79-599	\$206
MNT 94310B	Kit Maintenance Heat Exchanger 10mm HW1499-1999	\$241
MNT 94311B	Kit Maintenance Heat Exchanger 16mm HW1499-1999	\$241

Above kit includes:

Fiberboard Burner Door
Fiberboard Back Wall, 10mm/16mm
Screw Combustion Chamber Insulation
Washer for Combustion Chamber Insulation
Pilot Spark Electrode Assembly EVO 79-1999
Gasket Burner Door

Note: Insulation wall thicknesses are not interchangeable, C/F for serial number applicability.

Note: Maintenance Kits for HW1499-1999 are priced for one burner chamber only. Two kits are needed for each heat exchanger.

Bulk Pricing for Maintenance Kits:		
20 or more per order	MNT 94308B or 309B	\$186 list
40 or more per order	MNT 94308B or 309B	\$171 list
20 or more per order	MNT 94310B or 311B	\$221 list
40 or more per order	MNT 94310B or 311B	\$206 list

Pumps (Price does not include flanges)

Part #	Description	Horsepower	Shipping Weight	120 V	208/240 V
PMP 20300*	UP15-10 - 3/4" sweat	1/25	6	\$602	\$602
PMP 20301	UP15-35 S - 2 bolt flg	1/15	8	\$907	\$907
PMP 20302	UP15-42 C - 2-Bolt flg	1/25	8	\$267	\$267
PMP 20303	UPS15-55 S - 2-Bolt flg	1/12	6	\$952	n/a
PMP 20012	UPS15-58 F	1/25	15	\$272	\$272
PMP 20304	UP26-64 C - 2-Bolt flg	1/12	12	\$805	\$805
PMP 20305	UP26-96 B - 2-Bolt flg	1/12	12	\$1,316	\$1,316
PMP 20306	UP26-96 C - 2-Bolt flg	1/6	12	\$826	\$826
PMP 20311	UPS26-99 B	1/6	10	\$1,411	\$1,411
PMP 20312	UPS26-99 C	1/6	11	\$882	\$882
PMP 20307	UP26-116 B - 2-Bolt flg	1/6	12	\$1,222	\$1,222
PMP 20308	UP26-116 C - 2-Bolt flg	1/6	12	\$853	\$853
PMP 20313	UPS43-44 B	1/6	14	\$1,503	\$1,503
PMP 20314	UPS43-44 C	1/6	14	\$1,015	\$1,015
PMP 20309	UPS43-100 S - 2-Bolt flg	1/2	18	\$1,279	\$1,279
PMP 20310	UPS43-100 C - 2-Bolt flg	1/2	19	\$842	\$842
PMP 71027 S	2.5" x 2" SS 1hp, 5 1/8" imp	1	86	\$4,508	\$4,508
PMP 71028 S	2.5" x 2" SS 1.5hp, 5 1/2" imp	1.5	86	\$4,805	\$4,805

*This is our recommended and stocked "Return Line Pump" - 6 gpm @ 1.8 feet of head

Above part numbers are for the pump only (box includes flange gaskets and bolts)

All part numbers are 240V version, for the 120V version just add the suffix "120"

Pump Packages (Includes flanges and ball valves where applicable)

Part #	Description	Horsepower	Shipping Weight (lbs)	120 V	208/240 V
PMP 90346	UPS15-42 C Package w/1" flanges	1/25		\$492	\$492
PMP 90346 MM	UPS15-42 C Package w/1" flanges	1/25		\$461	\$461
PMP 90304	UP26-64 C Package w/1.5" flanges	1/12		\$1,084	\$1,084
PMP 90304 MM	UP26-64 C Package w/1.5" flanges	1/12		\$1,005	\$1,005
PMP 90305	UP26-96 B Package w/1" flanges	1/12		\$1,539	\$1,539
PMP 90307	UP26-116 B Package w/1.5" flanges	1/6		\$1,451	\$1,451
PMP 90309	UPS43-100 SF Package w/1.5" flanges	1/2		\$1,667	\$1,667
PMP 90310	UPS43-100 C Package w/1.5" flanges	1/2		\$1,136	\$1,136
PMP 90310 MM	UPS43-100 C Package w/1.5" flanges	1/2		\$1,048	\$1,048
PMP 90311	UPS26-99 B Package w/1" flanges	1/6		\$1,634	\$1,634
PMP 90312 MM	UPS26-99 C Package w/1.5" flanges	1/6		\$1,083	\$1,083
PMP 91027 SD	2.5" x 2" SS 1hp, 5 1/8" imp	1		\$4,744	\$4,744
PMP 91028 SD	2.5" x 2" SS 1.5hp, 5 1/2" imp	1.5		\$4,979	\$4,979
PMP 91027 SH	2.5" x 2" SS 1hp, 5 1/8" imp	1		\$4,703	\$4,703
PMP 91028 SH	2.5" x 2" SS 1.5hp, 5 1/2" imp	1.5		\$4,938	\$4,938

Grundfo's Pump Package Breakdown

EVO Water Heaters

EVO Boilers/Copper

Model No.	Pump Package	List (\$)	Model No.	Pump Package	List (\$)
HWD 79	PMP 90305	\$1,539	HWH 79	PMP 90346	\$492
HWD 129	PMP 90305	\$1,539	HWH 129	PMP 90346	\$492
HWD 179	PMP 90311	\$1,634	HWH 179	PMP 90346	\$492
HWD 199.1	PMP 90311	\$1,634	HWH 199.1	PMP 90304-199.1	\$1,023
HWD 299	PMP 90307	\$1,451	HWH 299	PMP 90304	\$1,084
HWD 328	PMP 90305 & PMP 90311	\$3,174	HWH 328	(2)PMP 90346	\$984
HWD 399	PMP 90309	\$1,667	HWH 399	PMP 90312	\$1,159
HWD 498	PMP 90311 & PMP 90307	\$3,085	HWH 498	PMP 90304 & PMP 90304-199.1	\$2,107
HWD 599	PMP 90309	\$1,667	HWH 599	PMP 90310	\$1,136
HWD 698	PMP 90307 & PMP 90309	\$3,118	HWH 698	PMP 90304 & PMP 90312	\$2,243
HWD 798	(2)PMP 90309	\$3,334	HWH 798	(2)PMP 90312	\$2,318
HWD 998	(2)PMP 90309	\$3,334	HWH 998	PMP 90312 & PMP 90310	\$2,296
HWD 1397	(3)PMP 90309	\$5,001	HWH 1397	(2)PMP 90312 & PMP 90310	\$3,455
HWD 1597	(3)PMP 90309	\$5,001	HWH 1597	PMP 90312 & (2)PMP 90310	\$3,432

Gould Pump Package Breakdown

EVO Water Heaters

EVO Boilers/Copper

Model No.	Pump Package	List (\$)	Model No.	Pump Package	List (\$)
HWD 1499	PMP 91027 SD	\$4,744	HWH 1499	PMP 91027 SH	\$4,703
HWD 1999	PMP 91028 SD	\$4,979	HWH 1999	PMP 91028 SH	\$4,938

Water Softener Systems

Water softener systems available from single tank 3000 grain capacity to triple tank 3,600,000 grain capacity.

Must consult factory for engineering and pricing.