

CONSTANTEMP HEATER



FEATURES

- Single or Double Wall Exchanger
- Accuracy $\pm 3^{\circ}\text{F}$
- Feed-Forward Control
- Flows up to 120 GPM
- Adjustable Temperature 105-180°F
- No Storage Tank Required
- Built In Safety
- Heats Water Only on Demand
- Fits Through Standard Doorways
- High Turndown

OPTIONS

- Skidded
- Recirculation Kit
- Automatic Descaler
- Insulated Cover
- Pressure Gradient Monitor

MODELS

L - Single Wall
LDW- Double Wall

APPLICATION DATA

- Hospital Patient & Domestic Hot Water
- University Dormitories
- Safety Shower Systems
- Industrial Shower Rooms
- Booster Heater
- Building Heat

RATINGS

Adjustable temperature range:

45-120 GPM: 105-180°F (41-82°C)
15 and 30 GPM: 105-150°F (41-65°C)

Steam pressure: 2-250 PSIG (14-1725 kPa)
over 15 (104 kPa), requires steam reducing valve

Water pressure: 150 PSI max. (1034 kPa)
Option: 250 PSI max. (1723 kPa)(single wall only)

Flow ranges:

Single Wall: 15, 30, 45, 60, 75, 90, 105, 120 GPM
(57, 114, 170, 227, 284, 341, 397, 454 L/min)

Double Wall: 30, 60, 90, 120 GPM (114, 227, 341,
454 L/min)

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SPECIFICATIONS

Leslie Constantemp _____ * low pressure steam water heater, for use on 2-15** psig steam consisting of an integrally piped (single wall) (double wall) heat exchanger, mounted on a heavy-duty angle iron frame. Heater control package shall be capable of supplying _____ GPM of hot water when heated from _____°F to _____°F without the use of thermostatic control devices or storage tanks. Heater shall be capable of maintaining $\pm 3^{\circ}\text{F}$ over a flow range of a few percent to 100%. The water shall flow through the tubes and steam in the shell. If recirculation is required, the heater shall be equipped with a recirculation system with a non-adjustable valve to set the recirculation temperature. The recirculation system shall be integrally mounted and shall not alter the overall dimensions of the heater. The overall dimensions shall not exceed _____.*** The unit shall provide connections in the manifolds to measure pressures and temperatures.

MATERIALS OF CONSTRUCTION

Exchanger: Ductile Iron (single wall only)(75psi) (517 kPa)
Cast Steel(150 psi) (1034 kPa)
(ASME SEC. VIII div. 1)

Blending Valve

Body:Bronze

Plug:Hastalloy

Coils: StandardCopper

Optional - Single Wall:Admiralty, Cupro-nickel,
StainlessSteel

* Insert model number from chart.

** For higher steam pressure use a pressure regulator to reduce pressure to 15 psi.

*** Insert dimensions from chart.

Piping Connections inches (mm)

Model	CW Inlet	HW Outlet	Steam in	Condensate out
E-1500L & E-300L	1½ (38)	2 (50)	3 (76)	1¼ (32)
F-340LDW	1½ (38)	2 (50)	3 (76)	1½ (38)
E-4500L & E-600L	1½ (38)	2 (50)	4 (102)	2 (50)
F-640LDW	1½ (38)	2 (50)	4 (102)	1½ (38)
E-7500L† & E-900L† E-10500L† & E-1200L†	2½ (64)	2½ (64)	4 (102)	1½ (38)
F-940LDW & F-1240LDW	2½ (64)	2½ (64)	4 (102)	2 (50)

† Steam inlet is flanged.

DIMENSIONS inches (mm) AND WEIGHTS pounds (kg)

Series/Model	Width	Length	Height	Weight*
1500L & 300L	22½ (571.5)	31½ (800.1)	24 (609.6)	270 (122.5)
340 LDW	13¾ (350)	140 (3556)	18¾ (475)	600 (272)
4500L & 600L	22½ (571.5)	31½ (800.1)	27 (685.8)	360 (163.3)
640 LDW	13¾ (350)	141 (3581)	22 (559)	825 (374)
7500L & 900L	24 (609.6)	29½ (749.3)	31 (787.4)	600 (272.2)
940LDW	13¾ (350)	119 (3023)	13¾ (591)	1250 (567)
10500L & 1200L	27½ (706.1)	34¾ (873.1)	31 (787.4)	720 (326.6)
1240LDW	13¾ (350)	142¾ (3626)	23¾ (591)	1375 (624)

* Excluding traps, stainers, etc.