

LESLIE CONSTATEMP HEATER

NOTE 1 - PROVIDE ADEQUATE DRIP LEG AND TRAP TO KEEP STEAM SUPPLY LINE FREE OF CONDENSATE.

NOTE 3 - INSTALL SMALL TRAP AND STRAINER TO DRAIN CONDENSATION DURING NO LOAD OR STANDBY CONDITION.

NOTE 5 - INSTALL STOP VALVES ON STEAM
CONDENSATE AND WATER INLET AND
OUTLET LINES.

NOTE 7 - CONDENSATE PIPING MUST BE ADEQUATE TO PREVENT EXCESSIVE BACK PRESSURE WHERE EXTRA ELBOWS OR LONG PIPE RUNS ARE USED, THE PIPE SIZE SHOULD BE INCREASED.

NOTE 8 - INSTALL RELIEF VALVE IN COLD WATER SUPPLY LINE WHEN WATER PRESSURE MAY EXCEED 150 PSIG.

Model		A	B	C	D	E	F	G	H	J	K	L	M	N
E-4500, E-600L	in. mm.	22-1/2 571.3	21 533.4	3/4 19.1	1 25.4	-3-7/8 -98.4	6-7/8 174.6	12-1/2 317.5	4 101.6	5-7/16 138.1	17-13/16 452.4	31-1/2 800.1	1-1/2 38.1	1-1/2 38.1
E-7500L, E-900L	in. mm.	24 609.6	21-1/2 546.1	1-1/4 31.8	1-13/16 46	3-7/8 98.4	6-7/8 174.6	10-3/4 273	2-15/16 74.6	9 228.6	13-15/16 354	29-7/16 747.7	2-1/2 65	2-1/2 65
E-10500L, E-1200L	in. mm.	27-13/16 706.4	24-5/16 617.5	1-3/4 44.5	2-13/16 55.6	2-3/8 60.3	8 203	15-1/4 387.4	5-7/16 138.1	7-7/16 188.9	19-31/32 507.2	34-3/8 873.1	2-1/2 65	2-1/2 65



—HOT WATER
CONTROL VALVE

52
GAUGE
30 HG
TO 30

1/4"NPT—

NOTE

STEAM SUPPLY
2-15 PSIG
4" (100.mm)
PIPE

56  1/2" (13mm)
IRON THREADED
STRAINER

53—
NOTE 3

DOTTED LINE PIPING AND SUPPORTS SUPPLIED BY INSTALLER

TO HEAT EXCHANGER
CONDENSATE COUPLING

ALLOW 18" (457.2mm)
CLEARANCE

HEATER SUPPORTS
23-1/2"
(596.9mm)

INLET STEAM PRESS. (PSIG)	MAX. ELEV. COND. DISCHARGE	
2-4	0 ft.	0 cm
5-6	2 ft.	61.0 cm
7-8	4 ft.	121.9 cm
9-10	6 ft.	182.9 cm
10-12	8 ft.	243.8 cm
12-15	10 ft.	304.8 cm

SEE REVERSE SIDE FOR PART
NAME AND REFERENCE NUMBER



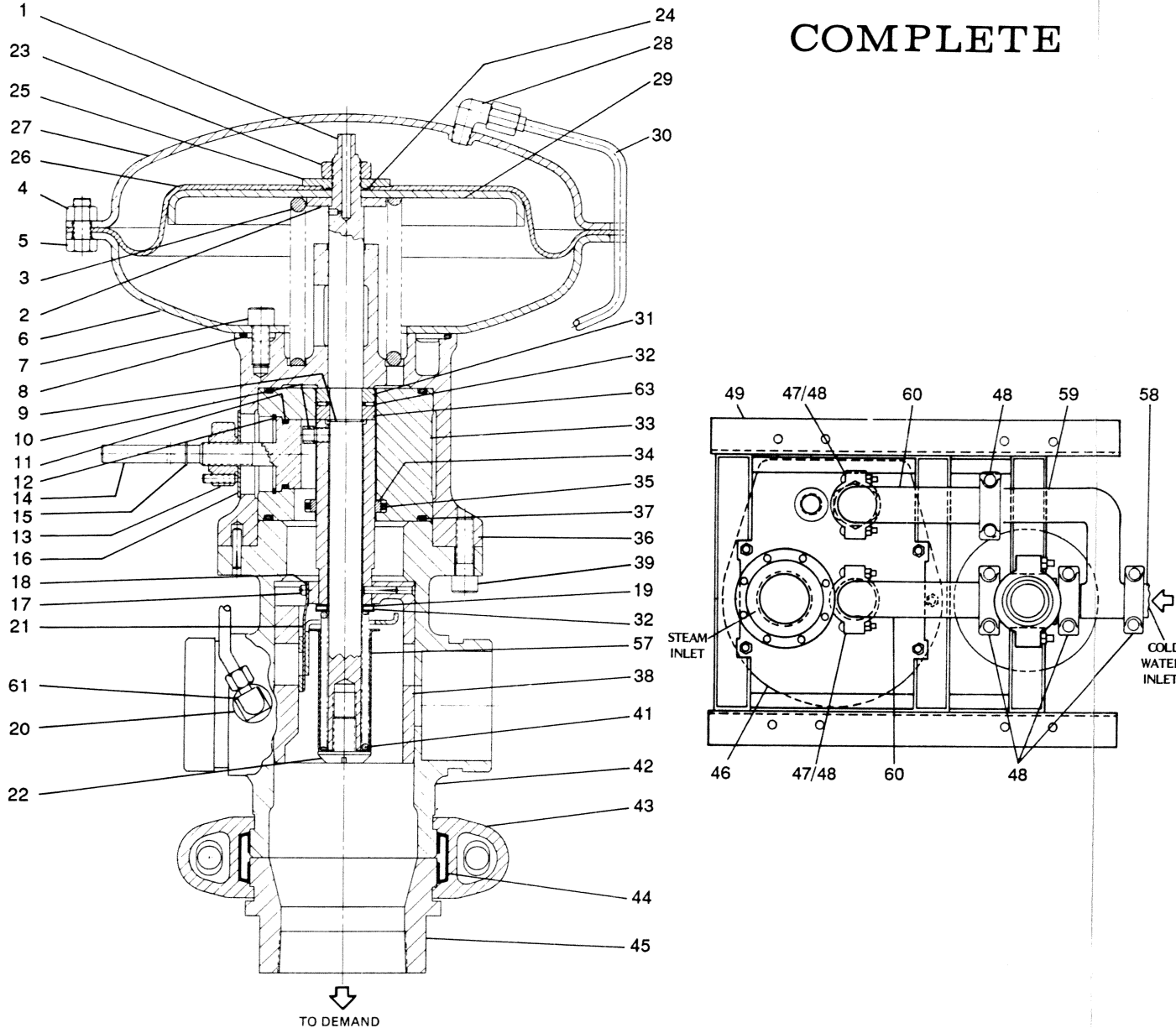
CONSTANTTEMP HEATER
MODEL
E-4500L, E-4520L, E-600L, E-620L, E-7500L, E-7520L,
E-900L, E-920L, E-10500L, E-10520L, E-1200L, E-1220L

DATE	APP'D.	D'W'N'.	DWG.	90/4.4.3
7/27/92	GRW	GRW	NO.	ALT. 1

PRINTED IN USA 493 1M

CONTROL VALVE
COMPLETE

LESLIE-CONSTANTEMP® HEATER
PARTS LIST



REFERENCE NUMBERS FOR PARTS NOT SHOWN ON DRAWING:						
PART NAME	E-4500L	E-600L	E-7500L	E-900L	E-10500L	E-1200L
★ Copper Coil For Part No. 46	71652	58224	71653	60814	71683	59549
★ Manifold Gasket For Part No. 46	56684-67	56684-67	56684-67	56684-67	59550-67	59550-67
★ Casing Gasket For Part No. 46	56686-67	56686-67	56686-67	56686-67	59551-67	59551-67
★ Coupling Gasket For Part No. 47	58188	58188	58188	58188		
★ Coupling Gasket For Part No. 48	56548	56548	58862	58862	58862	58862
Coil Lock Ring (Note 3)	61395	61395	61395	61395	61396	61396
Coil Lock Nut (Note 3)	59431	59431	59431	59431	60596	60596

MODEL NUMBER AND MATERIALS OD CONSTRUCTION:						
MODEL NUMBER						DESCRIPTION
45GPM	60GPM	75GPM	90GPM	105GPM	120GPM	
E-4500L	E-600L	E-7500L	E-900L	E-10500L	E-1200L	Ductile Iron Shell, Copper Coils
E-4501L	E-601L	E-7501L	E-901L	E-10501L	E-1201L	Ductile Iron Shell, Admiralty Coils
E-4502L	E-602L	E-7502L	E-902L	E-10502L	E-1202L	Ductile Iron Shell, Cupro-Nickel Coils
E-4520L	E-620L	E-7520L	E-920L	E-10520L	E-1220L	Steel Shell, Copper Coils
E-4521L	E-621L	E-7521L	E-921L	E-10521L	E-1221L	Steel Shell, Admiralty Coils
E-4522L	E-622L	E-7522L	E-922L	E-10522L	E-1222L	Steel Shell, Cupro-Nickel Coils
E-4540L	E-640L	E-7540L	E-940L	E-10540L	E-1240L	Steel Shell, Copper Coils, ASME "U" Stamp
E-4541L	E-641L	E-7541L	E-941L	E-10541L	E-1241L	Steel Shell, Admiralty Coils, ASME "U" Stamp
E-4542L	E-642L	E-7542L	E-942L	E-10542L	E-1242L	Steel Shell Cupro-Nickel Coils, ASME "U" Stamp
E-4550L	E-650L	E-7550L	E-950L	E-10550L	E-1250L	Steel Shell, Copper Coils, ASME "UM" Stamp
E-4551L	E-651L	E-7551L	E-951L	E-10551L	E-1251L	Steel Shell, Admiralty Coils, ASME "UM" Stamp
E-4552L	E-652L	E-7552L	E-952L	E-10552L	E-1252L	Steel Shell, Cupro-Nickel Coils, ASME "UM" Stamp

PART NO.	PART NAME	MATERIAL	E4500L/E600L		E7500L/E900L		E10500L/E1200L	
			QTY. PER UNIT	REF. NO.	QTY. PER UNIT	REF. NO.	QTY. PER UNIT	REF. NO.
1.	Upper Stem	Stainless Steel	1	66688	1	66693	1	66693
2.	Spring Guide Washer	Stainless Steel	1	64632	1	64632	1	64632
3.	Controlling Valve Spring	Stainless Steel	1	64747	1	66697	1	66697
4.	Nut	Steel	14	26585	14	26585	14	26585
5.	Bolt	Steel	14	37797	14	37797	14	37797
6.	Diaphragm Case-Lower	Stainless Steel	1	64443	1	64443	1	64443
7.	Socket H.D. Cap Screw	Steel	6	39655	6	39655	6	39655
8. ★	O-Ring	Synthetic Rubber	1	64769-94	1	64769-94	1	64794-94
9. ★	Spiroloox Ring	Stainless Steel	1	59025	1	59025	1	59025
10.	Key Cylinder	Stainless Steel	1	58998	1	58998	1	58998
11. ★	O-Ring	Synthetic Rubber	1	59052-94	1	51167-94	1	51167-94
12. ★	Retaining Ring	Stainless Steel	1	59023	1	59494	1	59494
13.	Lock Nut-Complete	Brass	1	59001	1	59001	1	59001
14. ★	Gain Adjustor	Stainless Steel	1	58995	1	59291	1	59291
15. ★	Retaining Ring	Copper	1	59024	1	59024	1	59024
16.	Cover plate	Brass	1	59009	1	59314	1	59314
17.	Screw	Stainless steel	2	70929	2	24755	2	24755
18.	Lockwasher	Stainless Steel	2	70930	2	21666	2	21666
19.	Spring Seat Washer	Stainless Steel	2	59013	2	59013	2	59013
20.	Relief Valve	Brass	1	59121	1	59121	1	59121
21.	Seal Plate Assembly	Stainless Steel	1	59031	1	63996	1	63996
22.	Screw	Bronze	1	59486	1	59486	1	59486
23.	Jam Nut	Steel	1	50547	1	50547	1	50547
24. ★	O-Ring	Synthetic Rubber	1	49746-94	1	49746-94	1	49746-94
25.	Shouldered Washer	Stainless Steel	1	64645	1	64645	1	64645
26. ★	Diaphragm	Synthetic Rubber	1	37809-94	1	37809-94	1	37809-94
27.	Diaphragm Case-Upper	Stainless Steel	1	64442	1	64442	1	64442
28.	Male Elbow-Flared	Brass	1	64829	1	64829	1	64829
29.	Diaphragm Plate	Stainless steel	1	64641	1	64641	1	64641
30.	Formed Tubing	Copper	1	66690	1	66695	1	66695
31.	Stem Collar Washer, Upper	Stainless Steel	1	59014	1	59489	1	59489
32.	Thrust Washer	Graphite Filled Teflon or Stainless Steel	1	59015	1	68484	1	68484
33. ★	Temp. Adjusting Sleeve Compl.	Stainless Steel	1	58989	1	59288	1	59288
34.	Guide	Graphite Filled Teflon	1	59107	1	59312	1	59312
35. ★	Guide Energizer	Synthetic Rubber	1	59166	1	59166	1	59166
36.	Yoke	Cast Bronze	1	66686	1	66691	1	66691
37. ★	O-Ring	Synthetic Rubber	2	59029-94	2	59495-94	2	59495-94
38. ★	Valve Plug Complete	Monel	1	66689	1	66694	1	66694
39.	Cap Screw	Steel	(Note1)	(Note1)	(Note2)	(Note 2)	(Note 2)	(Note 2)
40.	Needle Bearing	Nylon & Stainless Steel	1	59440	1	68484	1	68484
41. ★	Yielding Spring	Stainless steel	1	59019	1	59299	1	59299
42.	Body	Cast Bronze	1	58985	1	59294	1	59294
43.	Coupling	Malleable iron	1 - 3"	55569	1 - 3-1/2"	59491	1 - 3-1/2"	59491
44. ★	Gasket	Commercial	1	56237	1	59492	1	59492
45.	Reducing Coupler	Cast Bronze	1	55483	1	59285	1	59285
46.	Ht. Exchg., E4500L/E7500L/E10500L	Ductile Iron/Copper Coil	1	71703	1	71704	1	71705
46.	Ht. Exchg., E600L/E900L/E1200L	Ductile Iron/Copper Coil	1	68610	1	68611	1	68612
46.	Ht. Exchg., E4520L/E7520L/E10500L	Steel/Copper Coil	1	717032022	1	717042022	1	717052022
46.	Ht. Exchg., E600L/E900L/E1200L	Steel/Copper Coil	1	686102022	1	686112022	1	686122022
47.	Coupling	Malleable Iron	3 - 2"	58187	2 - 2"	58187		
48.	Coupling	Malleable Iron	3 - 1-1/2"	56547	4 - 2-1/2"	58860	6 - 2-1/2"	58860
49.	Mounting Frame	Carbon Steel	1	64948	1	60797	1	59200
50.	U-Bolt With Nuts	Steel	1	58654				
51.	1-1/2" F + T Trap	Cast Iron	1	72341	1	72341	1	72341
52.	Pressure Gauge	Steel Case	1	63092	1	63092	1	63092
53.	1/2" Steam Trap	Cast iron	1	70653	1	70653	1	70653
54.	Thermometer	Stainless Steel	1	60184	1	60184	1	60184
55.	1-1/2" Strainer	Cast iron	1	F000220056W	1	F000220056W	1	F000220056W
56.	1/2" Strainer	Cast iron	1	F000220051W	1	F000220051W	1	F000220056W
57.	Actuating Cylinder	Stainless Steel	1		1	63993	1	63993
58.	Nipple	Brass	1	58189	1	59361	1	59361
59.	Inlet Manifold	Cast Bronze	1	58170	1	60798	1	59287
60.	Exchanger Manifold	Cast Bronze	2	58169	2	60799	2	59286
61.	Fitting (Male Elbow)	Brass	1	64770	1	64770	1	64770
62.	Pigtail Siphon	Cast iron	1	56745	1	56745	1	56745
63.	Stem Thrust Washer, Lower	Graphite Filled Teflon or Stainless Steel	1	59014	1	68484	1	59493

Note 1: Requires four (4) R/N 45840 and two (2) R/N 59478.

Note 2: Requires four (4) R/N 59478 and two (2) R/N 40091.

Note 3: Furnished with Heater Coil but may be ordered separately.

★ Recommended spare parts.

★ These parts should be on hand, plus recommended spare parts, when overhauling equipment.