

# KEY TO HEAT EXCHANGER CODE

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HEATER STYLE \_\_\_\_\_

NOMINAL PIPE SIZE \_\_\_\_\_

NO. OF PASSES \_\_\_\_\_

LENGTH OF UNIT  
(IN 6" INCREMENTS)

\* { (T) = STANDARD  
(-) = PRE JUNE 1998 }

SHELL STYLE OR TANK UNIT \_\_\_\_\_

HEAD MATERIAL \_\_\_\_\_

HEAD TYPE \_\_\_\_\_

TUBE PLATE MATERIAL \_\_\_\_\_

TUBING MATERIAL \_\_\_\_\_

BAFFLE MATERIAL \_\_\_\_\_

BAFFLE PITCH (INCHES) \_\_\_\_\_

\* TANK UNIT LESS COLLAR (TJ, TK & TZ)  
MUST BE CODED WITH A DASH (-)

RLB 4-29-92 B1314B ECN1750

B	6-2-98	ECN 5278C	RLB				
A	4-29-92	ECN 1750	RT				
REV	DATE	DESCRIPTION	APPD	REV	DATE	DESCRIPTION	APPD

KEY TO  
HEAT EXCHANGER CODE

DRN BY RLB	DATE 4-29-92	CHK BY CSW	APPD BY RT	ENG APPL RWC	A-PL-2900-904	SH. 1 OF 5	REV B
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HEATER STYLE 000000T000000000

G - U-TUBE - SHELL & TUBE - 150#, 375°F

C - STRAIGHT TUBE - FIXED TUBE SHEET

D - STRAIGHT TUBE - FLOATING TUBE SHEET

I - U-TUBE - TANK UNIT (150#)

R - REPLACEMENT TUBE BUNDLE (150#, 400#)

P - HIGH TEMPERATURE, HIGH PRESSURE TUBES (400#, 450°F) (TANK UNIT AND HEAT EXCHANGER)

J - U-TUBE 250# TUBE, 150# SHELL, 375°F

K - REPLACEMENT TUBE BUNDLE, 250#

U - U - TUBE REPLACEMENT TUBE BUNDLE FOR PRE - 1974 L AND S UNITS  
RUX APPLIES 4' THRU 12' UNITS ONLY. (G CODE ONLY)

NOMINAL PIPE SIZE 000000T000000000

04 THRU 30 (EVEN NUMBERS EXCEPT 28)

NO. OF PASSES 000000T000000000

1, 2, 4 OR 6 PASS

LENGTH OF UNIT 000000T000000000

04 THRU 20 (LENGTH = CODE NO. X 6')

STYLE OF UNIT 000000T000000000

T OR -

CODE CONTINUED ON SHEET 3

RLB 4-29-92 A5093H ECN1750

G	5-5-98	ECN 6117	PL RLB				
E	11/9/93	ECN 2911	BVK				
D	4-29-92	ECN 1750		H	6-2-98	ECN 5278C	<i>RRB</i>
REV	DATE	DESCRIPTION	APPD	REV	DATE	DESCRIPTION	APPD

KEY TO  
HEAT EXCHANGER CODE

DRN BY RIR	DATE 4-29-92	CHK BY CSV	APPD BY	ENG APPL	A-PL-2900-904	SH. 2 OF 5	REV H
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SHELL STYLE OR TANK UNIT 000000T000000000

- L - LIQUID/LIQUID
- S - STEAM/LIQUID
- E - FUEL OIL SUCTION HEATER
- A - TANK UNIT W/COLLAR - 3/4" TUBES
- B - TANK UNIT W/COLLAR - 3/4" TUBES - CEMENT LINED APPLICATIONS
- C - TANK UNIT W/COLLAR - 1 1/4" TUBES - CEMENT LINED APPLICATIONS
- D - TANK UNIT W/EXTENDED COLLAR - 3/4" TUBES
- E - TANK UNIT W/EXT.COLLAR - 3/4" TUBES - CEMENT LINED APPLICATIONS
- H - HIGH TEMPERATURE - HIGH PRESSURE (HEAT EXCHANGE W/ SHELL)
- W - TANK UNIT W/COLLAR - 1 1/4" TUBES
- X - HIGH TEMPERATURE - HIGH PRESSURE TANK UNIT W/COLLAR - 3/4" TUBES
- Y - HIGH TEMPERATURE - HIGH PRESS TANK UNIT W/EXT.COLLAR - 3/4" TUBES
- \* J - TANK UNIT LESS COLLAR - 3/4" TUBES
- \* K - TANK UNIT LESS COLLAR - 3/4" TUBES - CEMENT LINED APPLICATIONS
- \* Z - HIGH TEMPERATURE-HIGH PRESSURE TANK UNIT LESS COLLAR - 3/4" TUBES

\* MUST BE CODED WITH A DASH (-) IN THE 7th POSITION. SEE SHEET #1 FOR EXPLANATION.

HEAD MATERIAL 000000T000000000

- 1 - FAB. STEEL
- 2 - CAST BRONZE - SB-62 (4' - 10' ONLY)
- 4 - CAST IRON (4' - 10' ONLY)
- 5 - STAINLESS STEEL - TYPE 304
- 6 - STAINLESS STEEL - TYPE 316 (REQUIRES 'S' NO.)

RLB 4-29-92 A5094L ECN1750

J	4-11-97	ECN 5566	PL BK				
G	5-31-96	ECN 4844	BK	L	6-2-98	ECN 5278C	<sup>PL</sup> RLB
F	4-29-92	ECN 1750	RT	K	5-5-98	ECN 6117	PL RLB
REV	DATE	DESCRIPTION	APPD	REV	DATE	DESCRIPTION	APPD

KEY TO  
HEAT EXCHANGER CODE

DRN BY RLB	DATE 4-29-92	CHK BY CSW	APPD BY	ENG APPL	A-PL-2900-904	SH. 3 OF 5	REV L
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HEAD TYPE

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- A - THREADED (4" - 10" ONLY)
- B - CHANNEL - FLANGED - W/COVER (4" - 20" ONLY)
- C - CHANNEL - FLANGED - W/O COVER (ST'D)
- D - CHANNEL - THREADED - W/COVER (N.A.)
- E - CHANNEL - THREADED - W/O COVER (N.A.)
- F - FLANGED

TUBE PLATE

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- 1 - STEEL
  - 3 - CAST BRONZE SB-62 (4" - 12" ONLY)
  - 4 - CAST BRONZE SB-584 ALLOY 922 (4" - 12" ONLY)
  - 5 - STAINLESS STEEL - TYPE 304
  - 6 - STAINLESS STEEL - TYPE 316 (4" - 16" AND 20" ONLY)
  - 7 - NAVAL BRASS
  - 8 - CUPRO NICKEL 90/10
  - 9 - STEEL - B&G TUBE PLATE (4" - 12" ONLY)
  - A - STEEL - D/W HEAT EXCHANGER DESIGN
  - B - STAINLESS STEEL-TYPE 304-D/W HEAT EXCHANGER DESIGN
  - C - D/W DESIGN-HEAD SIDE-STAINLESS STEEL-TYPE 304  
 SHELL SIDE-STEEL → (DOUBLE WALL ASSY ONLY)  
(SEE D-2900-S4 & S5)
  - D - D/W DESIGN-HEAD SIDE-STEEL  
 SHELL SIDE-STAINLESS STEEL-TYPE 304
  - E - STEEL (GROOVED)
  - F - TYPE 304 S.S. (GROOVED)
  - G - TYPE 316 S.S. (GROOVED)
- IF TUBING IS D, E, K OR M

M	2-5-97	ECN 5446	PL BK				
K	12-2-93	ECN 2950	BK				
J	11-9-93	ECN 2911		P	6-2-98	ECN 5278C	<i>PL</i>
H	4-29-92	ECN 1750		N	4-8-98	ECN 6542	PL
REV	DATE	DESCRIPTION	APPD	REV	DATE	DESCRIPTION	APPD

KEY TO  
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TUBING

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- A - COPPER - 3/4 OD X .035 WALL SB75 20GA.
- B - COPPER - 3/4 OD X .049 WALL SB75 18GA.
- C - COPPER - 3/4 OD X .065 WALL SB75 16GA.
- D - S.S.-TYPE 304-3/4 OD X .049 WALL SA-249 TP304 18GA.
- E - S.S.-TYPE 316-3/4 OD X .049 WALL SA-249 TP316 18GA.
- F - CU/NI-90/10-3/4 OD X .035 WALL SB111-706 20GA.
- G - CU/NI-90/10-3/4 OD X .049 WALL SB111-706 18GA.
- H - CU/NI-70/30-3/4 OD X .049 WALL SB111-715 18GA.
- J - ADMIRALTY-3/4 OD X .049 WALL SB111-445 18GA.
- K - STEEL - 3/4 OD X .049 WALL SA214 18GA.
- L - COPPER-1 1/4 OD X .065 WALL TC AND TW ONLY 16GA.
- M - STEEL - 3/4 OD X .049 WALL SA179 18GA.
- N - COPPER-(DOUBLE WALL)-3/4 OD X 15/32 ID, 19 FINS/INCH .049 T
- S - DOUBLE WALL COPPER OUTER/CU NI INNER 3/4 OD 19 FINS/IN .049 T
- I - DOUBLE WALL CU NI OUTER/CU NI INNER 3/4 OD 19 FINS/IN .049 T

BAFFLE

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- P - BRONZE (4" ONLY)
- T - STEEL
- U - STAINLESS STEEL - TYPE 304
- X - STAINLESS STEEL - TYPE 316 (4", 6", 8" & 10" ONLY)
- Y - NAVAL BRASS
- Z - CUPRO - NICKEL 90/10 (4", 6" & 8" ONLY)

PITCH

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02, 03, 04, 06, 08, 10, ETC. (BAFFLE PITCH IN INCHES)

L	12-2-93	ECN 2950	BK	R	6-2-98	ECN 5278C	<i>PL BK</i>
K	11-9-93	ECN 2911		P	9-5-97	ECN 5983	PL BK
Q	4-6-98	ECN 6542		M	10-2-95	ECN 4312	PL
REV	DATE	DESCRIPTION	APPD	REV	DATE	DESCRIPTION	APPD

KEY TO  
HEAT EXCHANGER CODE

DRN BY	CSW	DATE	4-29-92	CHK BY	CSW	APPD BY		ENG APPL		A-PL-2900-904	SH. 5 OF 5	REV R
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