



2599 or 2600
 Manufactured & Certified by
HEAT EXCHANGER DESIGN, INC.

Serial Number 3872B1 & 2 Hydro Test Pressure 98 / 98 Shell Side / Tube Side	Shell Side: 75 PSI @ 270 °F Tube Side: 75 PSI @ 180 °F Maximum Allowable Working Pressure Shell Side: 0 °F @ 75 PSI Tube Side: 0 °F @ 75 PSI Minimum Design Metal Temperature
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CUSTOMER: P.O.#: SERVICE: BEER COLUMN CONDENSER ITEM: Year Built: 2008

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CAUTION
 THE CODE DATA PLATE RELATES TO BASIC DESIGN CONDITIONS. THIS HEAT EXCHANGER HAS BEEN DESIGNED FOR SPECIFIC OPERATING CONDITIONS AND SHOULD BE RE-EVALUATED BEFORE OPERATING AT DIFFERENT CONDITIONS
 MAX. MEAN METAL TEMP. DIFFERENTIAL: 35°F

NOZZLE SCHEDULE			TUBE DATA		DESIGN CONDITIONS		SPECIAL DATA		CUSTOMER DATA		
NOZ.	SIZE / RATING	SERVICE	(#) SIZE	(920) 1"OD 16 BWG	SHELLSIDE	TUBESIDE	A.S.M.E. SECTION VIII, DIV. 1, 2004 (A06) EDITION	CUSTOMER:		P.O.#:	
A	20" 150# RFSO (STD)	TUBE IN (SA105/106B)		240" STRAIGHTS	DESIGN PRESSURE (PSI)	75	75	T.E.M.A. CLASS	B	USER:	ITEM:
B	20" 150# RFSO (STD)	TUBE OUT (SA105/106B)	MATERIAL	SA214	DESIGN TEMPERATURE (°F)	270	180	CLIENT INSPECT	AS REQUIRED	SERVICE: BEER COLUMN CONDENSER	SIZE: 47-240 AEM (HORIZ)
C	24" 150# RFSO (STD)	SHELL IN (SA105/106B)	CORES	N/A	CORROSION ALLOWANCE	1/16"	1/16"	WEIGHT (lbs)	25,407	TOLERANCES EXCEPT AS NOTED OTHERWISE	HEAT EXCHANGER DESIGN, INC.
D	6" 150# RFSO (STD)	SHELL OUT (SA105/106B)	BAFFLES	(11) 45% V CUT, 18.88" PITCH	HYDROTEST PRESSURE (PSI)	98	98	AREA (SQ')	4749	DECIMAL ±0.125"	UNIT IS A TEMA TYPE HEAT EXCHANGER (1) PASS SHELL, (2) PASS TUBE SIDE
E	3" 150# RFSO (STD)	VAPOR OUT (SA105/106B)		1/2" THK C STL	RT INSPECTION LEVEL	NONE	NONE	SURFACE PREP.	HAND TOOL CLEAN	FRACTIONAL ±1/4"	DRAWN BY <i>Clif Shipley</i>
			TUBESHEET	SA516 70	MINIMUM TEMPERATURE (°F)	0	0	PAINTING SPEC.	SHOP PRIMER	ANGULAR ±1/2"	APPROVED BY

- MISC. CONSTRUCTION NOTATION
- 1) FOR MECHANICAL CALCULATIONS SEE CSC3872B (& RELATED)
 - 2) DIMENSIONS ARE IN INCHES & SYMM UNLESS NOTED OTHERWISE
 - 3) FOR BOLTING qv BOM3872B
 - 4) FOR GASKETS qv BOM3872B (DURLON 9000N WHITE)
 - 5) TUBES SHALL BE ROLL EXPANDED (ROT.SQ.)
 - 6) CORROSION ALLOWANCE SHALL NOT BE APPLIED TO TUBES

TS & SS SHELLS ARE SUPPLIED AS PARTS (U2) WITH 100% X-RAY OF SEAMS

REVISION LOG	
NO.	DATE
0	21-MAY
1	28-AUG

GENERAL ARRANGEMENT	
DATE	DRAWING NUMBER
21-MAY-07	3872B
REV 1	SHT 1

NAMEPLATE FACSIMILE (SS316)
 MTD ON 4" SA36 STAND OFF BKT