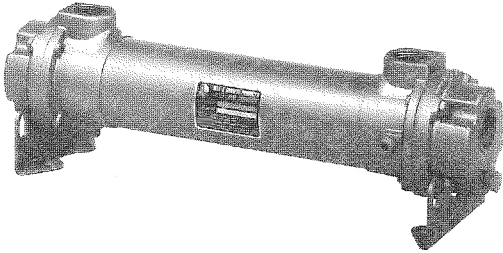




Bell & Gossett
a xylem brand

SUBMITTAL

C-222C



Type CHX Heat Exchangers

JOB _____	B & G REPRESENTATIVE _____	
UNIT TAG NO. _____	ORDER NO. _____	DATE _____
ENGINEER _____	SUBMITTED BY _____	DATE _____
CONTRACTOR _____	APPROVED BY _____	DATE _____

DESCRIPTION

B & G type "CHX" Heat Exchangers are of the shell and tube type with a non-removable tube bundle. The 2" thru 8" Series have brass shells, brass baffles, brass tube sheets and copper tubes providing total non-ferrous contact on the shellside. A replaceable zinc plug provides anodic protection on the tube side.

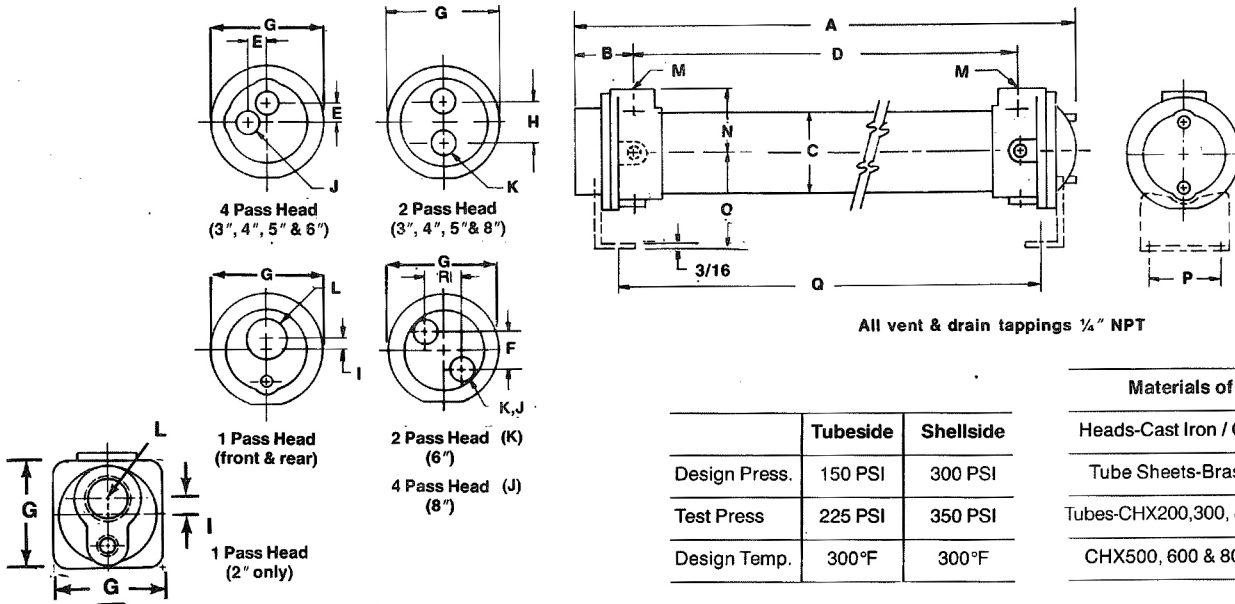
OPERATING DATA

DUTY:

1. Exchanger Model Number _____		
Service Cooler Heater		
	TUBE SIDE	SHELL SIDE
2. Fluid Circulated	_____	_____
3. Total Flow Expressed in GPM, GPH, CFM, CFH, lbs./min. or lbs./hr.	_____	_____
4. Specific Gravity	_____	_____
5. Specific Heat	_____	_____
6. Latent Heat	_____	_____
7. Viscosity Expressed in Proper Units and Temperature such as centipoises @ °F.	_____	_____
8. Thermal Conductivity	_____	_____
9. Temperature In/Out	_____	_____
10. Heat load BTU/hr.	_____	_____
11. Maximum Operating Temperature of Unit	_____	_____
12. Pressure Drop (Maximum)	_____	_____
13. Fouling Factor or Percentage of Additional Surface	_____	_____

APPROVALS

2" THRU 8" SERIES TYPE CHX HEAT EXCHANGERS DIMENSIONS



	Tubeside	Shellside
Design Press.	150 PSI	300 PSI
Test Press	225 PSI	350 PSI
Design Temp.	300°F	300°F

Materials of Construction**
Heads-Cast Iron / Cast Brass Shell-Brass,
Tube Sheets-Brass, Shell Ends-Brass
Tubes-CHX200,300, & 400 Series 1/4 in. copper
CHX500, 600 & 800 Series 3/8 in. copper

MODEL	AREA sq. ft.	1 Pass		2 Pass		4 Pass		C in.	D in.	E in.	F in.	G in.	H in.	I in.	J NPT	K NPT	L NPT	M NPT	N in.	O in.	P in.	Q in.	R in.	Approx. Wt.
		A in.	B in.	A in.	B in.	A in.	B in.																	
CHX-208-*	1.2	11	2 3/8	—	—	—	—	2 1/8	6 1/4	—	—	2 3/8	—	3/8	—	—	3/4	1	1 1/16	—	—	—	—	5
CHX-308-*	2.4	11 1/4	—	10 3/4	—	10 7/8	—	—	6 1/8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12
CHX-314-*	4.3	17 1/4	2 9/16	16 3/4	2 7/16	16 7/8	2 5/16	3 1/8	12 1/8	1	—	4 3/16	2	3/8	3/4	1	1 1/2	1	2 7/16	—	—	—	—	14
CHX-324-*	7.4	27 1/4	—	26 3/4	—	26 7/8	—	—	22 1/8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	17
CHX-414-*	8.3	18	—	17 5/8	—	17 5/8	—	—	11 1/8	—	—	—	—	—	—	—	—	—	—	—	12 7/8	—	—	37
CHX-424-*	14.1	28	3 7/16	27 5/8	3 7/16	27 5/8	3 7/16	4 1/8	21 1/8	1 1/16	—	5 7/8	2 3/8	1/2	3/4	1 1/4	2	1 1/2	3 1/8	3 1/2	3 1/2	27 7/8	—	45
CHX-436-*	21.2	40	—	39 5/8	—	39 5/8	—	—	33 1/8	—	—	—	—	—	—	—	—	—	—	—	34 7/8	—	—	54
CHX-514-*	9.1	18 1/2	—	18 5/16	—	18 3/8	—	—	11 1/8	—	—	—	—	—	—	—	—	—	—	—	11 3/4	—	—	45
CHX-524-*	16	28 1/2	3 11/16	28 5/16	3 11/16	28 3/8	3 9/16	5 1/8	21 1/8	1 1/16	—	6 1/2	3	0	1	1 1/2	2 1/2	1 1/2	3 5/8	3 1/2	4	21 3/4	—	55
CHX-536-*	24	40 1/2	—	40 5/16	—	40 3/8	—	—	33 1/8	—	—	—	—	—	—	—	—	—	—	—	33 3/4	—	—	65
CHX-624-*	23	29	—	28 3/4	—	29	—	—	20 1/2	—	—	—	—	—	—	—	—	—	—	—	21 1/2	—	—	75
CHX-636-*	34	41	—	40 3/4	—	41	—	—	32 1/2	—	—	—	—	—	—	—	—	—	—	—	33 1/2	—	—	95
CHX-648-*	45	53	4 1/4	52 3/4	4 1/4	53	4 1/4	6 1/8	44 1/2	2	2 9/16	7 1/2	—	0	1 1/2	2	3	2	4 1/4	4 1/8	5	45 1/2	2 3/16	115
CHX-660-*	56	65	—	64 3/4	—	65	—	—	56 1/2	—	—	—	—	—	—	—	—	—	—	—	57 1/2	—	—	135
CHX-824-*	41	31	—	30 1/2	—	30 3/4	—	—	19	—	—	—	—	—	—	—	—	—	—	—	20 1/2	—	—	105
CHX-836-*	62	43	—	42 1/2	—	42 3/4	—	—	31	—	—	—	—	—	—	—	—	—	—	—	32 1/2	—	—	185
CHX-848-*	82	55	6	54 1/2	6	54 3/4	6	8 1/8	43	—	2 3/4	9 3/4	4 1/2	0	2	2 1/2	3	3	5 5/8	5 5/8	7	44 1/2	4 11/16	220
CHX-860-*	103	67	—	66 1/2	—	66 3/4	—	—	55	—	—	—	—	—	—	—	—	—	—	—	56 1/2	—	—	255
CHX-872-*	124	79	—	78 1/2	—	78 3/4	—	—	67	—	—	—	—	—	—	—	—	—	—	—	68 1/2	—	—	290

* No. of passes, either 1, 2 or 4.

Baffle Spacing, either S or L.

** Consult factory on the availability of optional materials, variations in unit length, and design. SAE 4-Bolt Shellside Flanges are available on some models.

Dimensions subject to change without notice. Use only certified drawings for construction purposes.

xylem
Let's Solve Water

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