

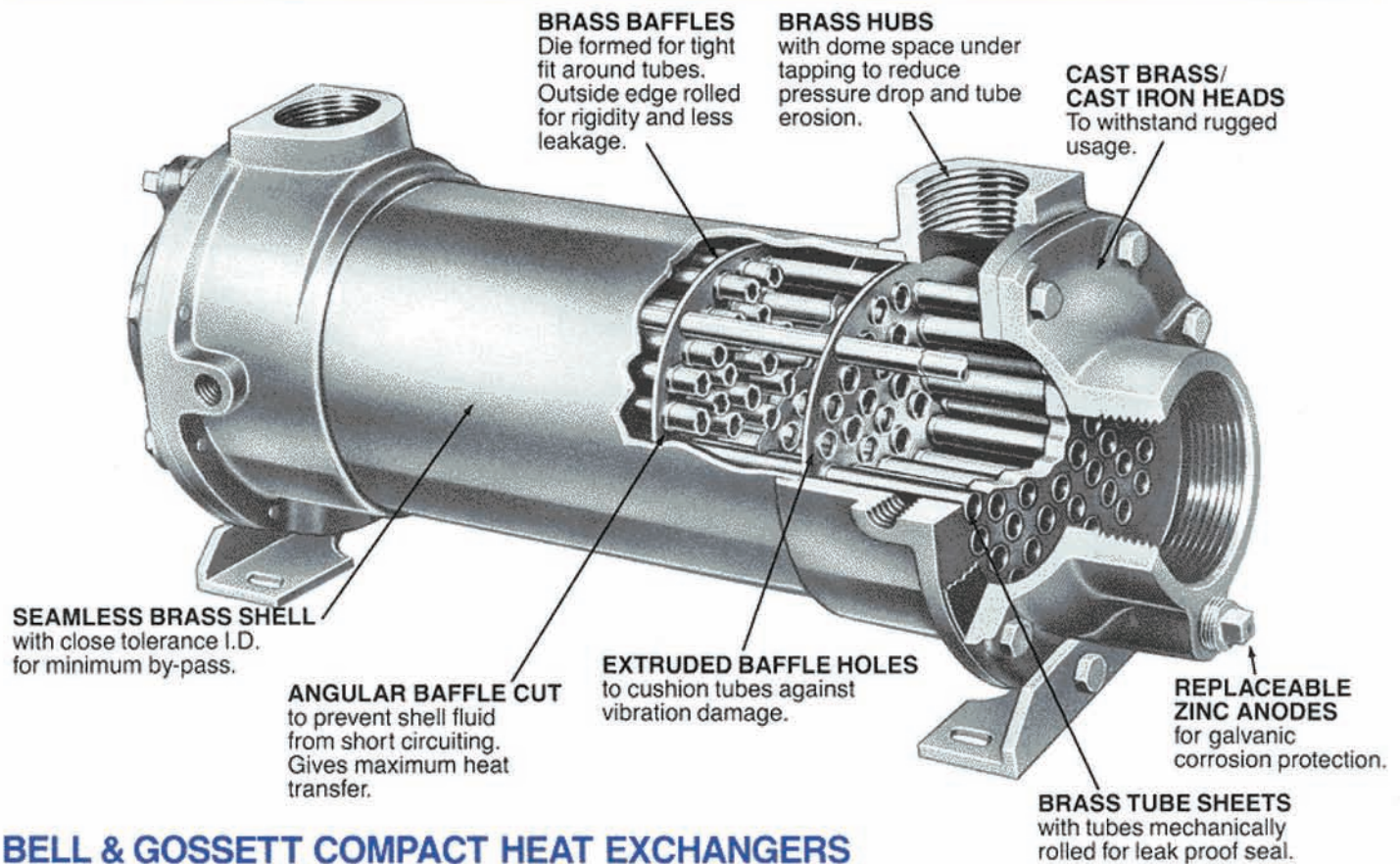
Model CHX Heat Exchangers

FIXED TUBE SHEET HEAT EXCHANGER

• LIQUID TO LIQUID • LIQUID TO GAS • COOLING AND HEATING



BELL & GOSSETT COMPACT HEAT EXCHANGERS



BELL & GOSSETT COMPACT HEAT EXCHANGERS

Bell & Gossett Compact Heat Exchangers are ideally designed to satisfy the heat transfer requirements of any number of industrial applications — and are immediately available from factory stock. This means that there is no long wait for delivery once you give your Bell & Gossett representative the system requirements. Simply let him know what you need, and Bell & Gossett will computer-select the right unit for your particular requirements.

You will probably find your area of interest covered in this sample list of industries and applications served by Bell & Gossett CHX Model heat exchangers. But remember, for almost any heat exchanger applications you may have, your Bell & Gossett representative can come up with the right answer and products.

Transformer Oil Cooling / Engine Oil Cooling / Injection Molding Machine Cooling / Mechanical Seal Cooling / Compressed Air Cooling / Cutting Fluid Cooling / Torque Converter Fluid Cooling / Solar Heat Transfer / Gas Turbines / Rectifiers / Laboratory Applications / Marine Applications / Machine Tools

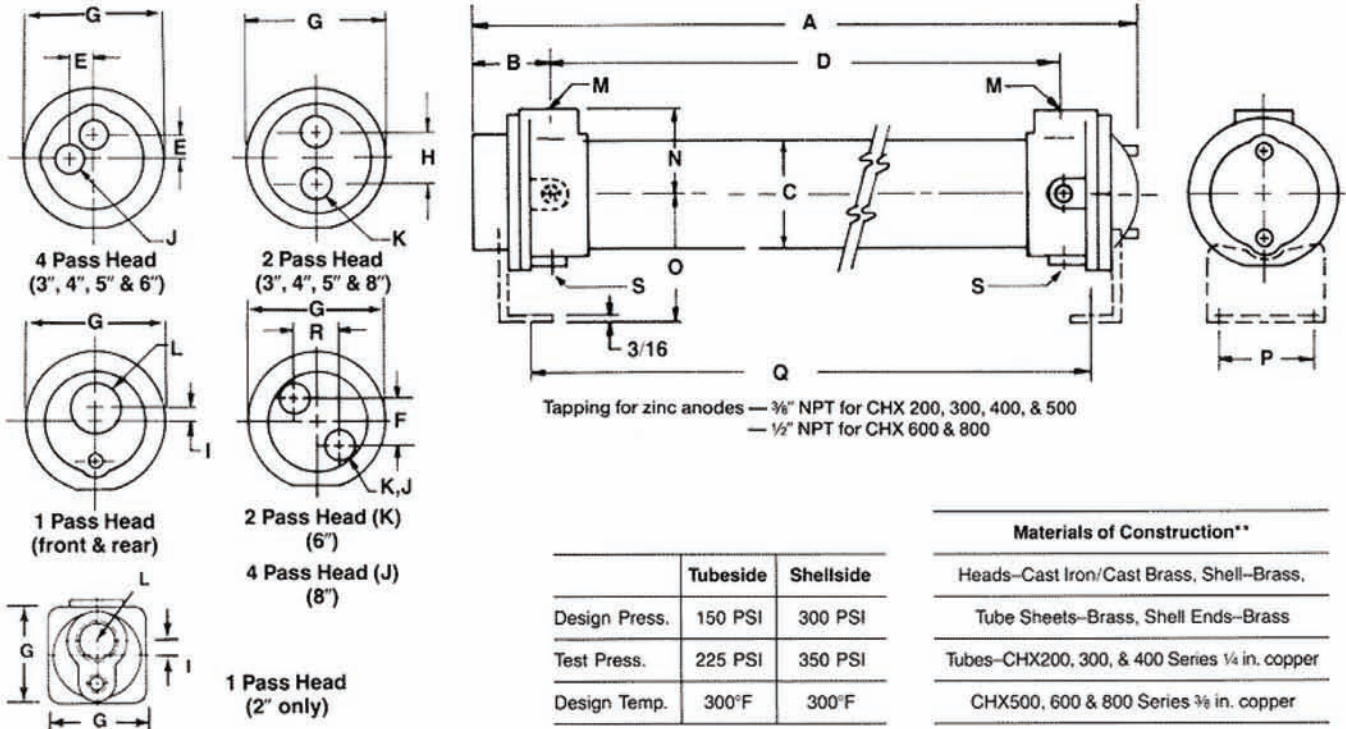
Bell & Gossett CHX heat exchangers — in addition to being immediately available — incorporate advanced design techniques. Each unit has been computer-designed to be the best size for the job.

Angular baffle cut design prevents shell fluid short circuiting, insuring maximum heat transfer for your investment.

Bell & Gossett designs are matched in quality by advanced manufacturing techniques. Unit components are precision die formed to insure an extremely tight fit.

Contact the Bell & Gossett representative in your area and let him use over fifty years of experience to solve your heat transfer problems.

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.	S NPT	Approx. Wt.
		A in.	B in.	A in.	B in.	A in.	B in.																		
CHX-208*	1.2	11	23/8	—	—	—	—	2 1/8	6 1/4	—	—	2 3/8	—	3/8	—	—	3/4	1	1 11/16	—	—	—	—	—	5
CHX-308*	2.4	11 1/4	—	10 3/4	—	10 7/8	—	—	6 1/8	—	—	—	—	—	—	—	—	—	—	—	—	7 5/8	—	—	12
CHX-314*	4.3	17 1/4	29 1/16	16 3/4	27 1/8	16 7/8	25 1/8	3 1/8	12 1/8	1	—	4 3/16	2	3/8	3/4	1	1 1/2	1	2 7/16	2 3/8	3 1/4	13 5/8	—	1/4	14
CHX-324*	7.4	27 1/4	—	26 3/4	—	26 7/8	—	—	22 1/8	—	—	—	—	—	—	—	—	—	—	—	—	23 3/8	—	—	17
CHX-414*	8.3	18	—	17 5/8	—	17 5/8	—	—	11 1/8	—	—	—	—	—	—	—	—	—	—	—	—	12 7/8	—	—	37
CHX-424*	14.1	28	37 1/16	27 5/8	37 1/16	27 5/8	37 1/16	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	22 7/8	—	3/8	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 11/16	—	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	—	1/4	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 3/16	7 1/2	—	0	1 1/2	2	3	2	4 1/4	4 1/8	5	45 1/2	2 3/16	1/4	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 3/8	7	44 1/2	4 11/16	1/4	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. ASME code available on some models.

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



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