

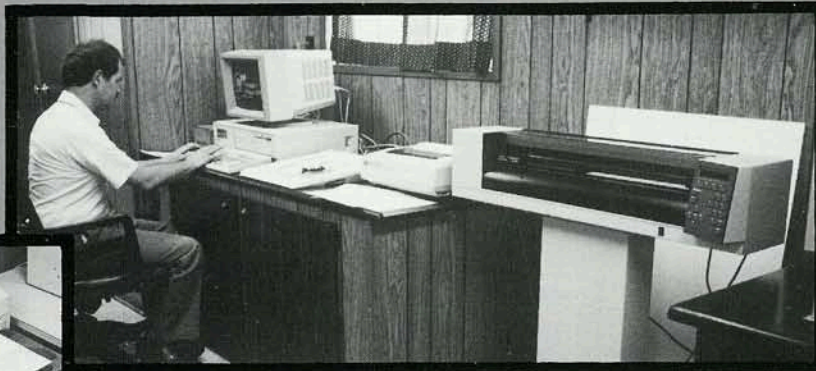
HOFFMAN

Process, Inc.

Preparing Today... For Tomorrow's Technology

PIPE SIZE SHELL and TUBE HEAT EXCHANGERS To ASME and TEMA Requirements

Hoffman Process offers a computerized thermal and mechanical design and Auto-CAD drawings to provide reliable and quick response to your inquiries and orders. FAX is available for instant transmission.



SERVICES

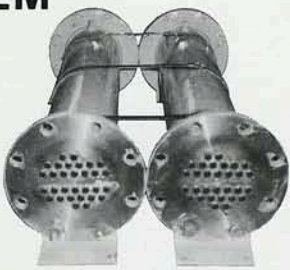
- Gas Cooling/Heating
- Liquid Cooling/Heating
- Single Component Condensing
- Multi-Component Condensing
- Batch Cooling/Heating

MATERIALS

- Carbon Steel
- Stainless Steel
- Non-Ferrous Copper Alloy
- Inconel/Incoloy
- Nickel/Monel
- Hastelloy
- Titanium

▼ Fixed tubesheet design--with or without compatible TEMA heads; horizontal or vertical mounting.

BEM



▼ U-tube design with removable bundle. All compatible TEMA front heads available; horizontal or vertical mounting.

**BEU
SPECIAL**



**Computer
Designed**

**Auto-CAD
Drawings**

**FAX
Transmission**

**TO PROVIDE FAST EFFICIENT
CUSTOMER SERVICE**

▼ Special vertical gas cooler/condenser with removable heads and channel covers, including top condensate drip pan.

**AEL
SPECIAL**

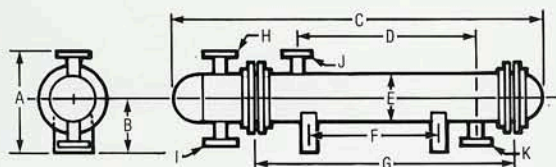


▼ Straight tube, removable bundle with rear split ring design for refinery and special services.

AES

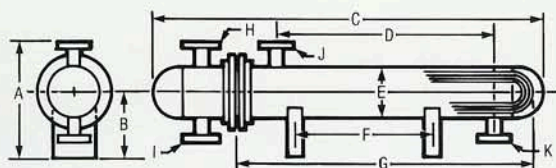


BEM



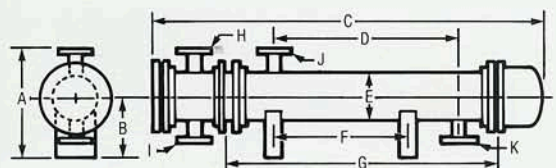
Unit Size	No. Tubes			Surface Area (Ft ²)			Dimensions							Connections				Lbs.
	1 Pass	2 Pass	4 Pass	1 Pass	2 Pass	4 Pass	A	B	C	D	E	F	G	H	I	J	K	
4-96	19	14	12	25	18	16	1'-4"	0'-6"	8'-9"	7'-0"	4.5"	6'-0"	7'-11 1/4"	1"	1"	2"	2"	240
6-96	37	36	28	48	47	37	1'-6"	0'-7"	9'-0"	7'-0"	6.625"	6'-0"	7'-11 1/4"	1 1/2"	1 1/2"	2 1/2"	2 1/2"	420
8-96	73	70	62	96	92	81	1'-8"	0'-8"	9'-1"	7'-0"	8.625"	6'-0"	7'-11 1/4"	2"	2"	3"	3"	705
10-96	121	114	102	158	149	134	1'-10"	0'-9"	9'-4"	7'-0"	10.75"	6'-0"	7'-11 1/4"	2 1/2"	2 1/2"	4"	4"	1070
12-96	173	166	164	226	217	215	2'-0"	0'-10"	9'-7"	7'-0"	12.75"	6'-0"	7'-11 1/4"	3"	3"	6"	6"	1460

BEU



Unit Size	No. U-Tubes		Surface Area (Ft ²)		Dimensions							Connections				Lbs.
	2 Pass	4 Pass	2 Pass	4 Pass	A	B	C	D	E	F	G	H	I	J	K	
4-96	7	6	18	16	1'-4"	0'-6"	8'-9"	7'-0"	4.5"	6'-0"	8'-2 1/2"	1"	1"	2"	2"	195
6-96	18	14	47	37	1'-6"	0'-7"	9'-0"	7'-0"	6.625"	6'-0"	8'-3 1/2"	1 1/2"	1 1/2"	2 1/2"	2 1/2"	370
8-96	33	30	86	79	1'-8"	0'-8"	9'-1"	7'-0"	8.625"	6'-0"	8'-4"	2"	2"	3"	3"	605
10-96	57	52	149	136	1'-10"	0'-9"	9'-4"	7'-0"	10.75"	6'-0"	8'-5"	2 1/2"	2 1/2"	4"	4"	935
12-96	80	72	209	188	2'-0"	0'-10"	9'-7"	7'-0"	12.75"	6'-0"	8'-6"	3"	3"	6"	6"	1290

AES



Unit Size	No. Tubes		Surface Area (Ft ²)		Dimensions							Connections				Lbs.
	2 Pass	4 Pass	2 Pass	4 Pass	A	B	C	D	E	F	G	H	I	J	K	
4-96	6	—	8	—	1'-4"	0'-6"	9'-6"	6'-9"	4.5"	5'-9"	7'-6"	1"	1"	2"	2"	230
6-96	30	28	39	37	1'-6"	0'-7"	9'-6"	6'-9"	6.625"	5'-9"	7'-6"	1 1/2"	1 1/2"	2 1/2"	2 1/2"	475
8-96	52	48	68	63	1'-8"	0'-8"	9'-6"	6'-9"	8.625"	5'-9"	7'-6"	2"	2"	3"	3"	750
10-96	92	80	128	105	1'-10"	0'-9"	9'-6"	6'-9"	10.75"	5'-9"	7'-6"	2 1/2"	2 1/2"	4"	4"	1135
12-96	136	128	178	168	2'-0"	0'-10"	9'-6"	6'-9"	12.75"	5'-9"	7'-6"	3"	3"	6"	6"	1490

Standard designs are with 5/8" O.D. by 8' long tubes on a 1 3/16" triangular pitch. Designs are 150 PSIG at 300° F both sides, per ASME Section VIII, Div. 1 and TEMA Class "C", and with the U-stamp. Horizontal or vertical mounting available.

Hoffman Process, Inc.'s line of Standard Pipe-Size Shell and Tube Heat Exchangers offers the following features:

- Computerized Thermal and Mechanical Design
- Computerized Drawing
- ASME Code and TEMA Standards
- 5/8" O.D. Tubes as Standard with 3/4", 1" and Larger Diameters Available
- Wide Range of Materials

Special Designs, Materials and Higher Pressures Available Upon Request.

Hoffman Process Inc. specializes in heat transfer equipment. In addition to shell and tube heat exchangers, we offer helical finned-tube exchangers, air-cooled heat exchangers, double pipe heat exchangers and tank heaters, plate and frame heat exchangers, and shop assembled systems utilizing heat transfer and distillation process equipment.

HOFFMAN
Process, Inc.

P.O. Box 345
Sewickely, PA 15143
Phone 412-741-6001

TELEX 9102401582 Fax 412-741-0262

Represented By: