Submittal Sheet

BEU Series

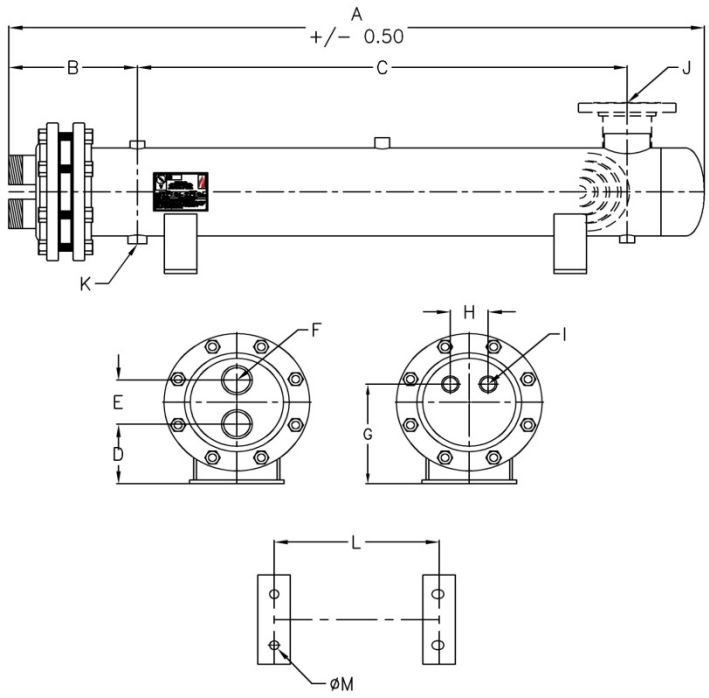
Heat Exchanger

Steam to Water, Horizontal Orientation

Single Wall Construction

Standard Product Features:

1. Designed, manufactured, tested and stamped in accordance with the ASME Code, Section VIII, Division 1, current Edition
2. Pressure vessel quality carbon steel shellside construction
3. Pressure vessel quality carbon steel tubesheet construction
4. Seamless 90/10 copper nickel tube construction
5. Pressure vessel quality carbon steel channel construction
6. Teflon baffles with stainless steel tie-rods/spacers
7. Spare openings for instrumenation on the shell
8. Spare openings for instrumenation on the channel
9. Saddles welded to the shell
10. Fully controlled and insulated upon request



B Channel E Shell U Tube Bundle 6 Shell Size 6 Tube Size 48 Bundle Size 2 Pass

Sales Rep: _____ Model Number: _____

Job Name: _____ To Heat: _____ GPM of Water

Location: _____ From: _____ °F To _____ °F

Notes: _____ Using: _____ PSIG steam to the control valve

Dimensions (inches)														
Model Number	A	B	C	D	E	F	G*	H*	I*	J	K	L	M	Weight
BEU 6-6-482	60.25	9.88	43.25	4.88	3.88	2NPT	8.50	2.75	1¼NPT	2NPT	1¼NPT	36.00	0.75	350
BEU 8-6-482	64.25	11.88	45.25	5.88	4.31	2½NPT	10.75	3.50	1½NPT	3NPT	1½NPT	36.00	0.88	400
BEU 10-6-482	68.25	13.88	47.25	7.25	5.50	3NPT	12.75	4.50	2NPT	4-150	2NPT	36.00	0.88	875
BEU 12-6-602	82.25	15.88	59.25	8.00	7.00	3NPT	15.00	5.50	2NPT	4-150	2NPT	42.00	1.00	1,075
BEU 14-6-602	85.13	15.88	61.25	8.625	7.75	4NPT	16.50	7.00	3NPT	6-150	3NPT	44.00	1.00	1,275
BEU 16-6-602	87.25	15.88	63.25	9.25	9.00	4NPT	19.25	8.50	3NPT	6-150	3NPT	46.00	1.00	1,475
BEU 18-6-722	101.13	15.88	75.25	9.00	11.13	6-150	22.00	10.00	4NPT	8-150	4NPT	54.00	1.13	1,750
BEU 20-6-722	103.13	15.88	77.25	9..00	13.63	8-150	24.75	11.25	6-150	10-150	4NPT	54.00	1.13	1,975

*four pass configuration

**more sizes available upon request

*** additional nozzle configurations available on request

Optional Materials of Construction	
Shell	Type 316/L Stainless steel
Channel	Type 316/L Stainless steel
Tubesheet	Type 316/L Stainless steel
Tubes	Titanium
	Brass
	70/30 Copper Nickel
Baffles	Type 316/L Stainless steel

Benefits of Howard's Engineering Heat Exchangers:

1. Heat exchanger is designed to meet performance criteria and is provided with a thermal guarantee.
2. Industrial quality and commercial price.
3. Increased system efficiency due to a properly sized heat exchanger.
4. Peace of mind knowing that you will be receiving the most highly engineered heat exchanger available.

Specifications:

1. Steam to water heat exchanger shall be Howard's Engineering BEU series.
2. Steam to water heat exchanger shall be ASME Code Stamped for 150 PSI at 350°F on the shell and channel side and registered with the National Board of Boiler and pressure vessel inspectors.
3. Steam to water heat exchanger shell to be made of pressure vessel quality carbon steel, minimum schedule 30/40/STD for the shell thickness.
4. Steam to water heat exchanger channel to be made of pressure vessel quality carbon steel.
5. Steam to water heat exchanger tubesheet to be made of pressure vessel quality carbon steel.
6. Steam to water heat exchanger tubes to be made of seamless 90/10 copper nickel.
7. All carbon steel exterior parts to be enameled.
8. Installer will assume responsibility for the correct sizing of all control components

** complete construction specifications available upon request.