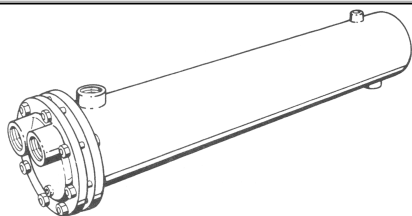


JOB:	REPRESENTATIVE:	
UNIT TAG:	ORDER NO.	DATE:
ENGINEER:	SUBMITTED BY:	DATE:
CONTRACTOR:	APPROVED BY:	DATE:



18" Series Type "WU" Heat Exchangers "U" Tube Design

DESCRIPTION

B & G Types "WU" Heat Exchangers are of the shell and tube type. The tube bundle is of "U" bend construction with tube ends expanded into a stationary tube sheet. This construction permits ample expansion or contraction for wide temperature variations. A fluid entering the tubes is heated or cooled by a fluid being circulated through a baffled shell. The unit is designed primarily for pumped circulation through the shell.

Standard "WU" Heat Exchangers are constructed according to ASME requirements for pressure and temperatures noted in table on back.

A Manufacturers' Data Report for Pressure Vessels, Form No. U-1, as required by the provisions of the ASME Code Rules, is furnished with each unit upon request. This form is signed by an authorized inspector, holding a national Board Commission, and who is employed by an authorized inspection agency, certifying that construction conforms to the latest ASME code for pressure vessels. The ASME "U" symbol is stamped on each vessel. In addition, each unit is registered with the national Board of Boiler and pressure Vessel Inspectors.

Operating Data

RECOMMENDED "WU" HEAT EXCHANGER

MODEL NO. _____

HEATING SURFACE (SQ. FT.) _____

TUBE SIDE

SHELL SIDE

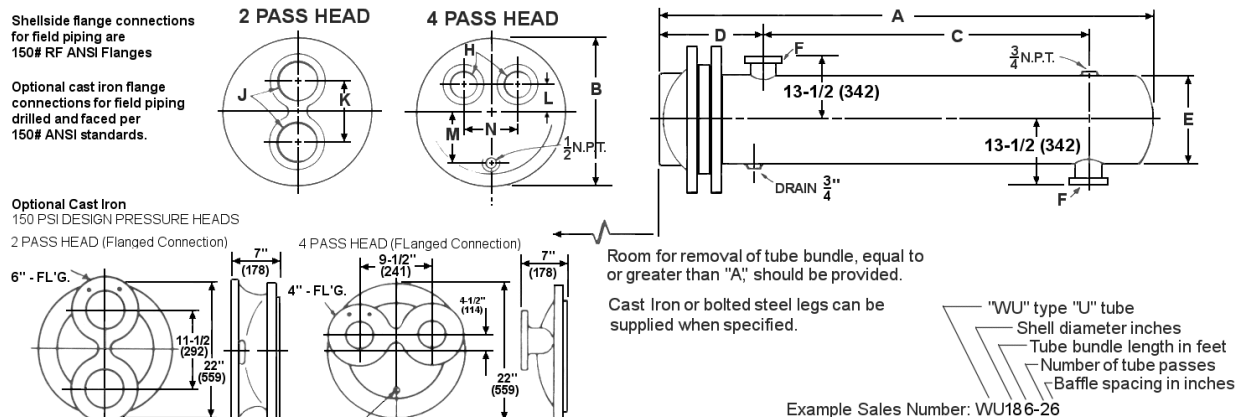
APPROVALS

1. Fluid Circulated..... 2. Total Flow Expressed in GPM, GRH or lbs./hr..... 3. Temperature In/Out..... 4. Transfer BTU/hr..... 5. Pressure Drop..... 6. Fouling Factor or Percentage of Additional Surface..... Note: Following applies only to fluids other than water 7. Specific Gravity..... 8. Specific Heat..... 9. Latent Heat..... 10. Viscosity**..... 11. Thermal Conductivity.....			
--	---	---	---

**Expressed in Proper Units and Temperature such as centipoises @ °F

18 " Series Type "WU" Heat Exchangers "U" Tube Design

C-131.7B



UNIT NUMBER	DIMENSIONS IN INCHES (MM)								HEATING SURFACE Sq. Ft. (Sq. M)	Approx. Shpg. Weight Lbs. (Kg)
	2 PASS		2 AND 4 PASS							
	J	K	A	B	C	D	E	F		
WU184-26	6 NPT	11 (279)	63-1/2 (1613)	22 (559)	39-1/2 (1003)	13-3/4 (349)	18 (457)	6 FLG	195 (18.1)	960 (435)
WU185-26	6 NPT	11 (279)	75-1/2 (1918)	22 (559)	51-1/2 (1308)	13-3/4 (349)	18 (457)	6 FLG	242 (22.5)	1084 (492)
WU186-26	6 NPT	11 (279)	87-1/2 (2222)	22 (559)	63-1/2 (1613)	13-3/4 (349)	18 (457)	6 FLG	290 (26.9)	1208 (548)
WU187-26	6 NPT	11 (279)	99-1/2 (2527)	22 (559)	75-1/2 (1918)	13-3/4 (349)	18 (457)	6 FLG	339 (31.5)	1332 (604)
WU188-26	6 NPT	11 (279)	111-1/2 (2832)	22 (559)	87-1/2 (2222)	13-3/4 (349)	18 (457)	6 FLG	387 (36)	1456 (660)
WU189-26	6 NPT	11 (279)	123-1/2 (3137)	22 (559)	99-1/2 (2527)	13-3/4 (349)	18 (457)	6 FLG	435 (40.4)	1580 (717)
WU184-212	6 NPT	11 (279)	63-1/2 (1613)	22 (559)	39-1/2 (1003)	15 (381)	18 (457)	6 FLG	195 (18.1)	960 (435)
WU185-212	6 NPT	11 (279)	75-1/2 (1918)	22 (559)	51-1/2 (1308)	15 (381)	18 (457)	8 FLG	242 (22.5)	1084 (492)
WU186-212	6 NPT	11 (279)	87-1/2 (2222)	22 (559)	63-1/2 (1613)	15 (381)	18 (457)	8 FLG	290 (26.9)	1208 (548)
WU187-212	6 NPT	11 (279)	99-1/2 (2527)	22 (559)	75-1/2 (1918)	15 (381)	18 (457)	8 FLG	339 (31.5)	1332 (604)
WU188-212	6 NPT	11 (279)	111-1/2 (2832)	22 (559)	87-1/2 (2222)	15 (381)	18 (457)	8 FLG	387 (26)	1456 (660)
WU189-212	6 NPT	11 (279)	123-1/2 (3137)	22 (559)	99-1/2 (2527)	15 (381)	18 (457)	8 FLG	435 (40.4)	1580 (717)

UNIT NUMBER	DIMENSIONS IN INCHES (MM)										HEATING SURFACE Sq. Ft. (Sq. M)	Approx. Shpg. Weight Lbs. (Kg)
	4 PASS				2 AND 4 PASS							
	H	L	M	N	A	B	C	D	E	F		
WU184-46	4 NPT	4-5/8 (117)	8-3/8 (213)	9-1/4 (235)	63-1/2 (1613)	22 (559)	39-1/2 (1003)	13-3/4 (349)	18 (457)	6 FLG	195 (18.1)	960 (435)
WU185-46	4 NPT	4-5/8 (117)	8-3/8 (213)	9-1/4 (235)	75-1/2 (1918)	22 (559)	51-1/2 (1308)	13-3/4 (349)	18 (457)	6 FLG	242 (22.5)	1084 (492)
WU186-46	4 NPT	4-5/8 (117)	8-3/8 (213)	9-1/4 (235)	87-1/2 (2222)	22 (559)	63-1/2 (1613)	13-3/4 (349)	18 (457)	6 FLG	290 (26.9)	1208 (548)
WU187-46	4 NPT	4-5/8 (117)	8-3/8 (213)	9-1/4 (235)	99-1/2 (2527)	22 (559)	75-1/2 (1918)	13-3/4 (349)	18 (457)	6 FLG	339 (31.5)	1332 (604)
WU188-46	4 NPT	4-5/8 (117)	8-3/8 (213)	9-1/4 (235)	111-1/2 (2832)	22 (559)	87-1/2 (2222)	13-3/4 (349)	18 (457)	6 FLG	387 (36)	1456 (660)
WU189-46	4 NPT	4-5/8 (117)	8-3/8 (213)	9-1/4 (235)	123-1/2 (3137)	22 (559)	99-1/2 (2527)	13-3/4 (349)	18 (457)	6 FLG	435 (40.4)	1580 (717)
WU184-412	4 NPT	4-5/8 (117)	8-3/8 (213)	9-1/4 (235)	63-1/2 (1613)	22 (559)	39-1/2 (1003)	15 (381)	18 (457)	8 FLG	195 (18.1)	960 (435)
WU185-412	4 NPT	4-5/8 (117)	8-3/8 (213)	9-1/4 (235)	75-1/2 (1918)	22 (559)	51-1/2 (1308)	15 (381)	18 (457)	8 FLG	242 (22.5)	1084 (492)
WU186-412	4 NPT	4-5/8 (117)	8-3/8 (213)	9-1/4 (235)	87-1/2 (2222)	22 (559)	63-1/2 (1613)	15 (381)	18 (457)	8 FLG	290 (26.9)	1208 (548)
WU187-412	4 NPT	4-5/8 (117)	8-3/8 (213)	9-1/4 (235)	99-1/2 (2527)	22 (559)	75-1/2 (1918)	15 (381)	18 (457)	8 FLG	339 (31.5)	1332 (604)
WU188-412	4 NPT	4-5/8 (117)	8-3/8 (213)	9-1/4 (235)	111-1/2 (2832)	22 (559)	87-1/2 (2222)	15 (381)	18 (457)	8 FLG	387 (36)	1456 (660)
WU189-412	4 NPT	4-5/8 (117)	8-3/8 (213)	9-1/4 (235)	123-1/2 (3137)	22 (559)	99-1/2 (2527)	15 (381)	18 (457)	8 FLG	435 (40.4)	1580 (717)

Dimensions are subject to change. If exact dimensions are needed for layout, write for certified prints.

DESIGN PRESSURES				DESIGN TEMPERATURES* TUBE & SHELL SIDE	
TUBE SIDE		SHELL SIDE			
DESIGN	TEST	DESIGN	TEST	CAST IRON	BRASS
125 psi	250 psi	150 psi	300 psi	375 °F	300 °F
2 & 4 Pass Pass Head (Flanged Connections) Cast Only					
150 psi	300 psi	150 psi	300 psi	375 °F	-

*For design pressures and temperatures higher than shown, consult B & G Representative for specifications and dimensions.

PART	STANDARD CAST IRON UNIT	BRASS UNIT
	2 & 4	2 & 4 Pass
Shell	Steel	Steel
Head	Cast Iron	Cast Brass
Tubes 3/4" O.D.	Cooper	Cooper
Tubesheets	Steel	Royal Naval Brass
Baffles	Steel	Steel
Nuts & Bolts	Steel	Steel

Caution: A properly sized relief valve must be installed on the heated water side to protect heat exchangers from possible damage due to volumetric expansion.

Xylem Inc.
8200 N. Austin Avenue
Morton Grove, IL 60053
Phone: (847)966-3700
Fax: (847)965-8379
www.bellgossett.com

xylem
Let's Solve Water

Bell & Gossett is a trademark of Xylem Inc. or one of its subsidiaries.
© 2013 Xylem Inc.