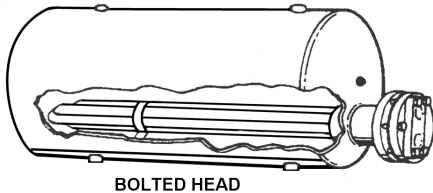


JOB: UNIT TAG: ENGINEER: CONTRACTOR:	REPRESENTATIVE: ORDER NO. SUBMITTED BY: APPROVED BY:	DATE: DATE: DATE:
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Tank and Heater

(Domestic Hot Water Heaters)

DESCRIPTION

The B&G Tank and Heater offers many advantages, as it both heats and stores the water in the same unit. It can be operated by passing either steam or hot water through the coil and is an excellent heater for hard water territories. Large capacity in small spaces makes this heater particularly suitable for boiler rooms with low head room.

CONSTRUCTION

Tank: Galvanized Steel
 Tubes: 3/4" O.D. – Copper
 Head: Bolted Type – Cast Iron
 Tube Sheet: Steel

SCHEDULE

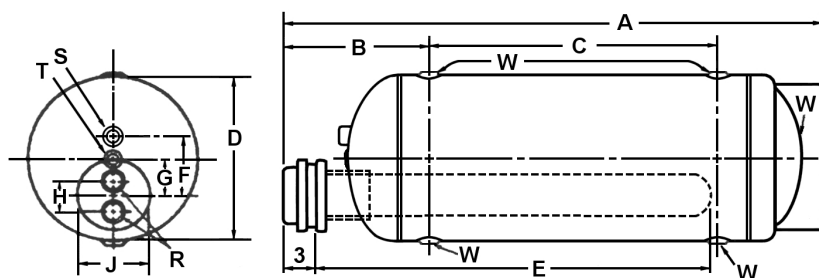
MODEL NUMBER	HEAD	PART NUMBER	TANK CAPACITY WGT. LBS	TAGGING	QUANTITY
6-40	TCW	BY5251-02-040-001	40		
6-40S	TCS	BY5251-01-040-001	40		
6-66	TCW	BY5251-02-066-001	66		
6-66S	TCS	BY5251-01-066-001	66		
6-82	TCW	BY5251-02-082-001	82		
6-82S	TCS	BY5251-01-082-001	82		
6-100	TCW	BY5251-02-100-001	100		
6-100S	TCS	BY5251-01-100-001	100		
6-120	TCW	BY5251-02-120-001	120		
6-120S	TCS	BY5251-01-120-001	120		
6-144	TCW	BY5251-02-144-001	144		
6-144S	TCS	BY5251-01-144-001	144		
6-180	TCW	BY5251-02-180-001	180		
6-180S	TCS	BY5251-01-180-001	180		

*All models are stocked with 3/4" O.D. copper tubes and TCW (water head) tank heater.

NOTE: When heating with steam, stock TCW unit may be adapted for proper condensate removal or special non-stocked TCS (steam head) tank & heater may be ordered.

DESCRIPTION

All units are designed, constructed and stamped in accordance with the requirements of the ASME Pressure Vessel Code (Section VIII Div. 1) for Maximum Design Pressure – 125 psig and Maximum Design Temperature – 375°.



DIMENSIONS

MODEL NUMBER.	HEATING SURFACE SQ.FT. (SQ.M.)	DIMENSIONS INCHES (MM)									CONNECTIONS NPT			
		A	B	C	D	E	F	G	H	J	R	S	T	W
6-40	9.2 (0.9)	55-5/8 (1413)	14-7/8 (378)	31 (787)	16 (406)	47-1/4 (1200)	5-1/4 (133)	3-1/2 (89)	2-5/8 (67)	7-1/4 (184)	1-1/4	1	-	1
6-66	9.2 (0.9)	68-1/8 (1730)	15-9/16 (395)	40-5/8 (1032)	18 (457)	47-1/4 (1200)	6-1/4 (159)	4-1/2 (114)	2-5/8 (67)	7-1/4 (184)	1-1/4	1	-	1
6-82	11.5 (1.1)	69-1/4 (1759)	15-1/8 (384)	43 (1092)	20 (508)	59-1/4 (1505)	-	5-9/16 (141)	2-5/8 (67)	7-1/4 (184)	1-1/4	-	1-1/2	1-1/2
6-100	11.5 (1.1)	70-5/8 (1794)	16-1/8 (410)	42 (1067)	22 (559)	59-1/4 (1505)	-	6-9/16 (167)	2-5/8 (67)	7-1/4 (184)	1-1/4	-	1-1/2	1-1/2
6-120	11.5 (1.1)	72-1/2 (1842)	15-3/4 (400)	44-1/4 (1124)	24 (610)	59-1/4 (1505)	-	7-9/16 (192)	2-5/8 (67)	7-1/4 (184)	1-1/4	-	1-1/2	1-1/2
6-144	13.9 (1.3)	83-7/8 (2130)	15-3/4 (400)	56 (1422)	24 (610)	71-1/4 (1810)	-	7-9/16 (192)	2-5/8 (67)	7-1/4 (184)	1-1/4	-	1-1/2	1-1/2
6-180	17.4 (1.6)	75-5/8 (1921)	15-5/8 (397)	44-3/4 (1137)	30 (762)	45-1/8 (1146)	-	8-7/8 (225)	3-3/4 (95)	10-1/2 (267)	2	-	1-1/2	1-1/2

Dimensions are subject to change. Not to be used for construction purposes unless certified.

CAPACITIES

MODEL NUMBER	CAPACITY (GPH) 40 -140°F*					
	BOILER WATER				STEAM	
	180°F		212°F		0 PSI	
	Non-Circ.	Circulated	Non-Circ.	Circulated	Non-Circ.	Circulated
6-40	104	200	187	350	212	353
6-66	104	200	187	350	212	353
6-82	138	265	243	452	265	441
6-100	138	265	243	452	265	441
6-120	138	265	243	452	265	441
6-144	173	334	301	561	321	553
6-180	194	371	351	655	401	668

*The capacity of a tank heater is dependent on a number of variables such as orientation of the tank heater (vertical or horizontal), location of the tank heater (top or bottom of tank), and whether the tank is circulated or not. Capacities are based on a horizontal tank heater located along the bottom of tank.

TYPICAL SPECIFICATIONS

Furnish and install as shown on plans an ASME Tank and Heater combination. Tank capacity _____ gallons. Capacity of heater _____ GPH. A manufacturers' data report for pressure vessels, Form No. U-1 as required by the provisions of the ASME Code Rules is to be furnished to the owner upon request. This form must be 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 must be stamped on each vessel. The vessel must be registered with the National Board of Boiler and Pressure Vessel Inspectors. Tank shall be steel hot dipped galvanized inside and outside. Tank Heater shall be "U" bend construction - 3/4" O.D. copper tubes, steel tube sheet, and cast iron head.

Manufacturer ITT Bell & Gossett Model No. _____ ASME Tank and Heater.



Bell & Gossett

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