



Bryan U-Tube Tank Heater

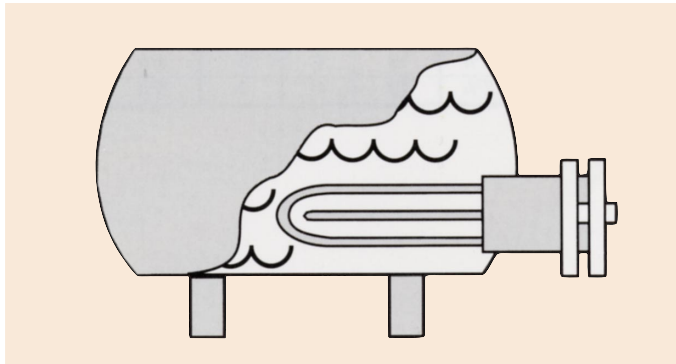
Bryan's U-tube tank heaters are built to offer long life and efficient heat transfer in a variety of applications, including service hot water, radiation, and commercial and industrial applications.

Bryan offers U-tube tank heaters in sizes ranging from 4" to 12" in diameter and lengths up to 10', in both two pass and four pass designs. *All models are designed, constructed, inspected and stamped in accordance with the latest edition of the ASME code.*

Standard materials of construction

Heads:	Cast iron
Tube Sheets:	Steel
Shell:	Steel
Baffles:	Steel
Bolting:	Steel
Tubes:	3/4 " 0. D. copper

Units are available with optional materials of construction, such as brass, copper, cupro-nickel or other alloys as specified.



This installation diagram shows a typical application of the tank heater installed in the tank. Horizontal or vertical tanks are available with tank heater already mounted.

Typical specifications

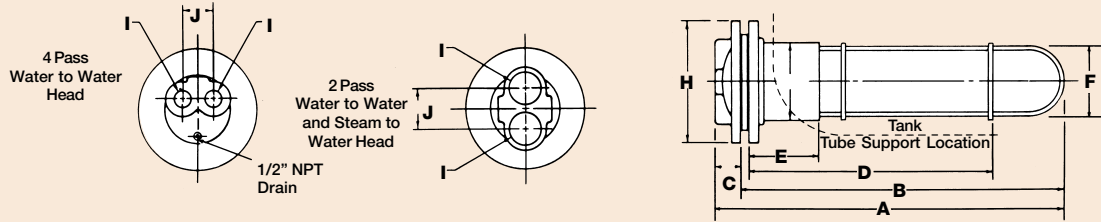
Furnish and install _____ (quantity) U-Tube Tank Heater(s) designed and constructed in accordance with the ASME requirements and stamped accordingly. Each unit shall have the capacity to heat ____ gph of ____ from ____ °F to ____ °F in the ____ gallon tank. The heat input to the coils shall be ____ psi saturated steam or ____ gpm of water from ____ °F to ____ °F. The tank will () will not () be lined * with the boil to be located hnear cold water inlet () water outlet (). The tank will have continuous circulation () constant discharge temperature () rapid recovery ().

* Type of lining material.

Rating of standard units				
Shell Diam.	Maximum Pressure Tubes		Shell	Maximum Operating Temperature
	2 pass	4 pass		
4"	150	150	150	375°
6"	150	150	150	375°
8"	150	150	150	375°
10"	125	150	150	375°
12"	125	150	150	375°

Consult factory for working pressure and temperature higher than standard, as well as changes resulting from differences in optional construction materials.

Bryan U-Tube Tank Heater



DIMENSIONS (inches)

Model Number		A	B	C	D	E	F	G	H	I		J	
2 Pass	4 Pass									2-P	4-P	2-P	4-P
4 Inch Diameter													
UT4-2-2	UT4-2-4	26 ³ / ₁₆	24 1/4	1 ¹⁵ / ₁₆	12 1/2	12	4	4 1/2	9	1 1/4	1	2 ⁵ / ₈	2
UT4-3-2	UT4-3-4	38 ³ / ₁₆	36 1/4	1 ¹⁵ / ₁₆	24 1/8	12	4	4 1/2	9	1 1/4	1	2 ⁵ / ₈	2
UT4-4-2	UT4-4-4	50 ³ / ₁₆	48 1/4	1 ¹⁵ / ₁₆	36 1/8	12	4	4 1/2	9	1 1/4	1	2 ⁵ / ₈	2
UT4-5-2	UT4-5-4	62 ³ / ₁₆	60 1/4	1 ¹⁵ / ₁₆	48 1/8	12	4	4 1/2	9	1 1/4	1	2 ⁵ / ₈	2
UT4-6-2	UT4-6-4	74 ³ / ₁₆	72 1/4	1 ¹⁵ / ₁₆	60 1/8	12	4	4 1/2	9	1 1/4	1	2 ⁵ / ₈	2
UT4-7-2	UT4-7-4	86 ³ / ₁₆	84 1/4	1 ¹⁵ / ₁₆	55 1/4	12	4	4 1/2	9	1 1/4	1	2 ⁵ / ₈	2
6 Inch Diameter													
UT6-2-2	UT6-2-4	23 ³ / ₈	21	2 ³ / ₈	12 1/8	12	6	6 ⁵ / ₈	11	2	1 1/2	3 ³ / ₄	2 ¹¹ / ₁₆
UT6-3-2	UT6-3-4	35 ³ / ₈	33	2 ³ / ₈	24 1/8	12	6	6 ⁵ / ₈	11	2	1 1/2	3 ³ / ₄	2 ¹¹ / ₁₆
UT6-4-2	UT6-4-4	47 ³ / ₈	45	2 ³ / ₈	36 1/8	12	6	6 ⁵ / ₈	11	2	1 1/2	3 ³ / ₄	2 ¹¹ / ₁₆
UT6-5-2	UT6-5-4	59 ³ / ₈	57	2 ³ / ₈	48 1/8	12	6	6 ⁵ / ₈	11	2	1 1/2	3 ³ / ₄	2 ¹¹ / ₁₆
UT6-6-2	UT6-6-4	71 ³ / ₈	69	2 ³ / ₈	60 1/8	12	6	6 ⁵ / ₈	11	2	1 1/2	3 ³ / ₄	2 ¹¹ / ₁₆
UT6-7-2	UT6-7-4	83 ³ / ₈	81	2 ³ / ₈	55 1/4	12	6	6 ⁵ / ₈	11	2	1 1/2	3 ³ / ₄	2 ¹¹ / ₁₆
UT6-8-2	UT6-8-4	95 ³ / ₈	93	2 ³ / ₈	64 1/4	12	6	6 ⁵ / ₈	11	2	1 1/2	3 ³ / ₄	2 ¹¹ / ₁₆
8 Inch Diameter													
UT8-2-2	UT8-2-4	26 ³ / ₈	23 1/2	2 ³ / ₄	12 1/8	12	8	8 ⁵ / ₈	13 1/2	3	2	4 ³ / ₄	3 1/2
UT8-3-2	UT8-3-4	38 ³ / ₈	35 1/2	2 ³ / ₄	24 1/8	12	8	8 ⁵ / ₈	13 1/2	3	2	4 ³ / ₄	3 1/2
UT8-4-2	UT8-4-4	50 ³ / ₈	47 1/2	2 ³ / ₄	36 1/8	12	8	8 ⁵ / ₈	13 1/2	3	2	4 ³ / ₄	3 1/2
UT8-5-2	UT8-5-4	62 ³ / ₈	59 1/2	2 ³ / ₄	48 1/8	12	8	8 ⁵ / ₈	13 1/2	3	2	4 ³ / ₄	3 1/2
UT8-6-2	UT8-6-4	74 ³ / ₈	71 1/2	2 ³ / ₄	60 1/8	12	8	8 ⁵ / ₈	13 1/2	3	2	4 ³ / ₄	3 1/2
UT8-7-2	UT8-7-4	86 ³ / ₈	83 1/2	2 ³ / ₄	55 1/4	12	8	8 ⁵ / ₈	13 1/2	3	2	4 ³ / ₄	3 1/2
UT8-8-2	UT8-8-4	98 ³ / ₈	95 1/2	2 ³ / ₄	64 1/4	12	8	8 ⁵ / ₈	13 1/2	3	2	4 ³ / ₄	3 1/2
UT8-9-2	UT8-9-4	110 ³ / ₈	107 1/2	2 ³ / ₄	73 1/4	12	8	8 ⁵ / ₈	13 1/2	3	2	4 ³ / ₄	3 1/2
10 Inch Diameter													
UT10-2-2	UT10-2-4	28 1/2	24 1/2	3 1/8	12 1/8	12	10 1/8	10 ³ / ₄	16	4	3	5 ⁷ / ₈	4 1/2
UT10-3-2	UT10-3-4	40 1/2	36 1/2	3 1/8	24 1/8	12	10 1/8	10 ³ / ₄	16	4	3	5 ⁷ / ₈	4 1/2
UT10-4-2	UT10-4-4	52 1/2	48 1/2	3 1/8	36 1/8	12	10 1/8	10 ³ / ₄	16	4	3	5 ⁷ / ₈	4 1/2
UT10-5-2	UT10-5-4	64 1/2	60 1/2	3 1/8	48 1/8	12	10 1/8	10 ³ / ₄	16	4	3	5 ⁷ / ₈	4 1/2
UT10-6-2	UT10-6-4	76 1/2	72 1/2	3 1/8	60 1/8	12	10 1/8	10 ³ / ₄	16	4	3	5 ⁷ / ₈	4 1/2
UT10-7-2	UT10-7-4	88 1/2	84 1/2	3 1/8	55 1/4	12	10 1/8	10 ³ / ₄	16	4	3	5 ⁷ / ₈	4 1/2
UT10-8-2	UT10-8-4	100 1/2	96 1/2	3 1/8	64 1/4	12	10 1/8	10 ³ / ₄	16	4	3	5 ⁷ / ₈	4 1/2
UT10-9-2	UT10-9-4	112 1/2	108 1/2	3 1/8	73 1/4	12	10 1/8	10 ³ / ₄	16	4	3	5 ⁷ / ₈	4 1/2
UT10-10-2	UT10-10-4	121 1/2	117 1/2	3 1/8	82 1/4	12	10 1/8	10 ³ / ₄	16	4	3	5 ⁷ / ₈	4 1/2
12 Inch Diameter													
UT12-3-2	UT12-3-4	39 ⁹ / ₁₆	36 1/4	3 ⁵ / ₁₆	24 1/8	12	12 1/8	12 ³ / ₄	19	4	3	6 ³ / ₈	5
UT12-4-2	UT12-4-4	51 ⁹ / ₁₆	48 1/4	3 ⁵ / ₁₆	36 1/8	12	12 1/8	12 ³ / ₄	19	4	3	6 ³ / ₈	5
UT12-5-2	UT12-5-4	63 ⁹ / ₁₆	60 1/4	3 ⁵ / ₁₆	48 1/8	12	12 1/8	12 ³ / ₄	19	4	3	6 ³ / ₈	5
UT12-6-2	UT12-6-4	75 ⁹ / ₁₆	72 1/4	3 ⁵ / ₁₆	60 1/8	12	12 1/8	12 ³ / ₄	19	4	3	6 ³ / ₈	5
UT12-7-2	UT12-7-4	87 ⁹ / ₁₆	84 1/4	3 ⁵ / ₁₆	55 1/4	12	12 1/8	12 ³ / ₄	19	4	3	6 ³ / ₈	5
UT12-8-2	UT12-8-4	99 ⁹ / ₁₆	96 1/4	3 ⁵ / ₁₆	64 1/4	12	12 1/8	12 ³ / ₄	19	4	3	6 ³ / ₈	5
UT12-9-2	UT12-9-4	111 ⁹ / ₁₆	108 1/4	3 ⁵ / ₁₆	73 1/4	12	12 1/8	12 ³ / ₄	19	4	3	6 ³ / ₈	5
UT12-10-2	UT12-10-4	123 ⁹ / ₁₆	120 1/4	3 ⁵ / ₁₆	82 1/4	12	12 1/8	12 ³ / ₄	19	4	3	6 ³ / ₈	5

Dimensions and specifications are subject to change without notice. Consult factory for certified dimensions.



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