



DIMENSIONS SHOWN AS: inches (mm)

EXCHANGER SIZE	DIMENSIONS								NOZZLE SCHEDULE		
	"A"		"B"		"C"		"D"		(N1) INLET		
	inches	mm	inches	mm	inches	mm	inches	mm	1" NPT	(25)	
THW-412-4-3	14-1/4	362	12	305	14	356	-	-	(N2) OUTLET	1" NPT	(25)
THW-418-4-3	20-1/4	514	18	457	20	508	-	-	(N3) DRAIN	1/2" NPT	(13)
THW-424-4-3	26-1/4	667	24	610	26	660	12-1/8	308	COLLAR ASSEMBLY		
THW-430-4-3	32-1/4	819	30	762	32	813	18-1/8	460	STANDARD		OVS. FOR STONE LINING
THW-436-4-3	38-1/4	972	36	914	38	965	24-1/8	613	"E"	4-1/2"(114)	6-5/8"(168)
THW-442-4-3	44-1/4	1124	42	1067	44	1118	30-1/8	765	"F"	6" (152)	6-1/2"(165)
THW-448-4-3	50-1/4	1276	48	1219	50	1270	36-1/8	918	DESIGN CONDITIONS		
THW-454-4-3	56-1/4	1429	54	1372	56	1422	42-1/8	1070	TUBES		
THW-460-4-3	62-1/4	1581	60	1524	62	1575	48-1/8	1222	DESIGN PRESSURE	150 PSIG	1034 KPa
THW-466-4-3	68-1/4	1734	66	1676	68	1727	54-1/8	1375	DESIGN TEMPERATURE	375 °F	191 °C
THW-472-4-3	74-1/4	1886	72	1829	74	1880	60-1/8	1527	M.D.M.T.	35 °F	1.7 °C
THW-478-4-3	80-1/4	2038	78	1981	80	2032	66-1/8	1680	HYD. TEST PRESSURE	225 PSIG	1551 KPa
THW-484-4-3	86-1/4	2191	84	2134	86	2184	72-1/8	1832	NOTES:		
THW-490-4-3	92-1/4	2343	90	2286	92	2337	78-1/8	1984	1. COLLAR ASSEMBLY SUPPLIED SEPARATELY.		
THW-496-4-3	98-1/4	2496	96	2438	98	2489	84-1/8	2137	2. FABRICATED TO ASME CODE SECTION VIII DIVISION 1 AND LATEST ADDENDA.		
THW-4102-4-3	104-1/4	2648	102	2591	104	2642	90-1/8	2289	3. DRAWING IS NOT TO SCALE.		
THW-4108-4-3	110-1/4	2800	108	2743	110	2794	96-1/8	2442	4. ALL DIMN'S $\pm 1/8$ (3) UNLESS OTHERWISE SHOWN.		
THW-4114-4-3	116-1/4	2953	114	2896	116	2946	102-1/8	2594	5. DIMENSIONS SHOWN AS: in.(mm)		
THW-4120-4-3	122-1/4	3105	120	3048	122	3099	108-1/8	2746	CUSTOMER:		
THW-4126-4-3	128-1/4	3258	126	3200	128	3251	114-1/8	2899	LOCATION:		
THW-4132-4-3	134-1/4	3410	132	3353	134	3404	120-1/8	3051	ENGINEER :		
THW-4138-4-3	140-1/4	3562	138	3505	140	3556	126-1/8	3204	ORDER No.:		
									PROJECT/JOB:		
									LOCATION:		
									TAG:		
									QUOTE #		

TITLE	G.A. 150 LB. TANK HEATERS	A R M S T R O N G				NUMBER	REV.
DATE :-	24 / 05 / 95	BY :-	D.C.R.	TORONTO - CANADA	MONTREAL - CANADA	BUFFALO - N. Y.	COLCHESTER - U.K.
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						THW-4-4P-3	