



EXCHANGER SIZE	DIMENSIONS								NOZZLE SCHEDULE		
	"A"		"B"		"C"		"D"		(N1) INLET		
	inches	mm	inches	mm	inches	mm	inches	mm	1" NPT (25)		
THW-412-4-1	14-1/2	368	12	305	14	356	-	-	(N2) OUTLET	1" NPT (25)	
THW-418-4-1	20-1/2	521	18	457	20	508	-	-	(N3) DRAIN	1/2" NPT (13)	
THW-424-4-1	26-1/2	673	24	610	26	660	12-1/8	308	COLLAR ASSEMBLY		
THW-430-4-1	32-1/2	826	30	762	32	813	18-1/8	460		STANDARD	OVS. FOR STONE LINING
THW-436-4-1	38-1/2	978	36	914	38	965	24-1/8	613	"E"	4-1/2" (114)	6-5/8" (168)
THW-442-4-1	44-1/2	1130	42	1067	44	1118	30-1/8	765	"F"	6" (152)	6-1/2" (165)
THW-448-4-1	50-1/2	1283	48	1219	50	1270	36-1/8	918	DESIGN CONDITIONS		
THW-454-4-1	56-1/2	1435	54	1372	56	1422	42-1/8	1070	TUBES		
THW-460-4-1	62-1/2	1588	60	1524	62	1575	48-1/8	1222	DESIGN PRESSURE	150 PSIG	1034 KPa
THW-466-4-1	68-1/2	1740	66	1676	68	1727	54-1/8	1375	DESIGN TEMPERATURE	375 °F	191 °C
THW-472-4-1	74-1/2	1892	72	1829	74	1880	60-1/8	1527	M.D.M.T.	35 °F	1.7 °C
THW-478-4-1	80-1/2	2045	78	1981	80	2032	66-1/8	1680	HYD. TEST PRESSURE	300 PSIG	2068 KPa
THW-484-4-1	86-1/2	2197	84	2134	86	2184	72-1/8	1832	NOTES:		
THW-490-4-1	92-1/2	2350	90	2286	92	2337	78-1/8	1984	1. COLLAR ASSEMBLY SUPPLIED SEPARATELY.		
THW-496-4-1	98-1/2	2502	96	2438	98	2489	84-1/8	2137	2. FABRICATED TO ASME CODE SECTION VIII DIVISION 1 AND LATEST ADDENDA.		
THW-4102-4-1	104-1/2	2654	102	2591	104	2642	90-1/8	2289	3. DRAWING IS NOT TO SCALE.		
THW-4108-4-1	110-1/2	2807	108	2743	110	2794	96-1/8	2442	4. ALL DIMN'S ±1/8 (3) UNLESS OTHERWISE SHOWN.		
THW-4114-4-1	116-1/2	2959	114	2896	116	2946	102-1/8	2594	5. DIMENSIONS SHOWN AS: in.(mm)		
THW-4120-4-1	122-1/2	3112	120	3048	122	3099	108-1/8	2746	CUSTOMER:		
THW-4126-4-1	128-1/2	3264	126	3200	128	3251	114-1/8	2899	LOCATION:		
THW-4132-4-1	134-1/2	3416	132	3353	134	3404	120-1/8	3051	ENGINEER :		
THW-4138-4-1	140-1/2	3569	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	THW-4-4P-1	REV.	
DATE :-	24 / 05 / 95	BY :-	D.C.R	TORONTO - CANADA	MONTREAL - CANADA	BUFFALO - N. Y.	COLCHESTER - U.K.		
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