



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)	(25)
THWX-412-4-1	15-1/4	387	12	305	14	356	-	-	(N2) OUTLET	1" NPT	(25)
THWX-418-4-1	21-1/4	540	18	457	20	508	-	-	(N3) DRAIN	1/2" NPT	(13)
THWX-424-4-1	27-1/4	692	24	610	26	660	12-1/8	308	COLLAR ASSEMBLY		
THWX-430-4-1	33-1/4	845	30	762	32	813	18-1/8	460	STANDARD	OVS. FOR STONE LINING	
THWX-436-4-1	39-1/4	997	36	914	38	965	24-1/8	613	"E"	4-1/2"(114)	6-5/8"(168)
THWX-442-4-1	45-1/4	1149	42	1067	44	1118	30-1/8	765	"F"	6" (152)	6-1/2"(165)
THWX-448-4-1	51-1/4	1302	48	1219	50	1270	36-1/8	918	DESIGN CONDITIONS		
THWX-454-4-1	57-1/4	1454	54	1372	56	1422	42-1/8	1070	TUBES		
THWX-460-4-1	63-1/4	1607	60	1524	62	1575	48-1/8	1222	DESIGN PRESSURE	150 PSIG	1034 KPa
THWX-466-4-1	69-1/4	1759	66	1676	68	1727	54-1/8	1375	DESIGN TEMPERATURE	375 °F	191 °C
THWX-472-4-1	75-1/4	1911	72	1829	74	1880	60-1/8	1527	M.D.M.T.	35 °F	1.7 °C
THWX-478-4-1	81-1/4	2064	78	1981	80	2032	66-1/8	1680	HYD. TEST PRESSURE	300 PSIG	2068 KPa
THWX-484-4-1	87-1/4	2216	84	2134	86	2184	72-1/8	1832	NOTES:		
THWX-490-4-1	93-1/4	2369	90	2286	92	2337	78-1/8	1984	1. COLLAR ASSEMBLY SUPPLIED SEPARATELY.		
THWX-496-4-1	99-1/4	2521	96	2438	98	2489	84-1/8	2137	2. FABRICATED TO ASME CODE SECTION VIII DIVISION 1 AND LATEST ADDENDA.		
THWX-4102-4-1	105-1/4	2673	102	2591	104	2642	90-1/8	2289	3. DRAWING IS NOT TO SCALE.		
THWX-4108-4-1	111-1/4	2826	108	2743	110	2794	96-1/8	2442	4. ALL DIM'S ±1/8 (3) UNLESS OTHERWISE SHOWN.		
THWX-4114-4-1	117-1/4	2978	114	2896	116	2946	102-1/8	2594	5. DIMENSIONS SHOWN AS: in.(mm)		
THWX-4120-4-1	123-1/4	3131	120	3048	122	3099	108-1/8	2746	CUSTOMER:		
THWX-4126-4-1	129-1/4	3283	126	3200	128	3251	114-1/8	2899	LOCATION:		
THWX-4132-4-1	135-1/4	3435	132	3353	134	3404	120-1/8	3051	ENGINEER :		
THWX-4138-4-1	141-1/4	3588	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	THWX-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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