



DIMENSIONS SHOWN AS: inches (mm)

EXCHANGER SIZE *BAFFLE SPACING	DIMENSIONS											
	A		B		C		D		N1		N2	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
W-103-4*-4	51 5/8	1311	26 1/2	673	18	457	38	965	3	76	3	76
W-104-4*-4	63 5/8	1616	38 1/2	978	30	762	50	1270	3	76	3	76
W-105-4*-4	75 5/8	1921	50 1/2	1283	42	1067	62	1575	3	76	3	76
W-106-4*-4	87 5/8	2226	62 1/2	1588	54	1372	74	1880	3	76	3	76
W-107-4*-4	99 5/8	2530	74 1/2	1892	66	1676	86	2184	3	76	3	76
W-108-4*-4	111 5/8	2835	86 1/2	2197	78	1981	98	2489	3	76	3	76
W-109-4*-4	123 5/8	3140	98 1/2	2502	90	2286	110	2794	3	76	3	76
W-1010-4*-4	135 5/8	3445	110 1/2	2807	102	2591	122	3099	3	76	3	76
W-1011-4*-4	147 5/8	3750	122 1/2	3112	114	2896	134	3404	3	76	3	76
W-1012-4*-4	159 5/8	4054	134 1/2	3416	126	3200	146	3708	3	76	3	76
W-1013-4*-4	171 5/8	4359	146 1/2	3721	138	3505	158	4013	3	76	3	76
W-1014-4*-4	183 5/8	4664	158 1/2	4026	150	3810	170	4318	3	76	3	76
W-1015-4*-4	195 5/8	4969	170 1/2	4331	162	4115	182	4623	3	76	3	76

NOZZLE SCHEDULE				
SERVICE	MARK	SHELL SIDE	MARK	TUBE SIDE
INLET	N1	AS PER TABLE	N5	3 (76) FLG
OUTLET	N2	AS PER TABLE	N6	3 (76) FLG
DRAIN	N3	1/2 (13) NPT	N7	1/2 (13) NPT
VENT	N4	3/4 (19) NPT		

NOTES: 1. SUPPORTS SUPPLIED ONLY IF SPECIFIED ON ORDER.  
 2. NOZZLE SIZES SHOWN ARE RECOMMENDED FOR MAXIMUM EXCHANGER LIFE.  
 3. FABRICATED TO ASME CODE SECTION VIII DIVISION 1 AND LATEST ADDENDA.  
 4. DRAWING IS NOT TO SCALE.  
 5. ALL DIM'S ±1/8 (3) UNLESS OTHERWISE SHOWN.

DESIGN CONDITIONS				
	SHELL		TUBES	
DESIGN PRESSURE	150 PSIG	1034 KP <sub>a</sub>	150 PSIG	1034 KP <sub>a</sub>
DESIGN TEMPERATURE	375 °F	191 °C	375 °F	191 °C
MIN. DESIGN METAL TEMP.	35 °F	1.7 °C	35 °F	1.7 °C
HYDRO. TEST PRESSURE	225 PSIG	1551 KP <sub>a</sub>	225 PSIG	1551 KP <sub>a</sub>
CONTENTS	WATER		WATER	

CUSTOMER:  
 LOCATION:  
 ENGINEER:  
 ORDER No.:  
 PROJECT/JOB:  
 LOCATION:  
 TAG: (QUOTE # )

TITLE	G.A. 150 LB. W SERIES HEAT EXCHANGERS				A R M S T R O N G				NUMBER	REV.
DATE:	12 / 01 / 94	BY:	D.C.R.	TORONTO - CANADA	MONTREAL - CANADA	BUFFALO - N. Y.	COLCHESTER - U.K.	W-10-4P-4 (3)		
				TEL : (416) 755-2291	TEL : (514) 421-2424	TEL: (716) 693-8813	TEL: (44) 120-657-9491			