



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	23 1/2	597	10 1/2	267	38	965	6	152	6	152
W-104-4*-4	63 5/8	1616	35 1/2	902	22 1/2	572	50	1270	6	152	6	152
W-105-4*-4	75 5/8	1921	47 1/2	1207	34 1/2	876	62	1575	6	152	6	152
W-106-4*-4	87 5/8	2226	59 1/2	1511	46 1/2	1181	74	1880	6	152	6	152
W-107-4*-4	99 5/8	2530	71 1/2	1816	58 1/2	1486	86	2184	6	152	6	152
W-108-4*-4	111 5/8	2835	83 1/2	2121	70 1/2	1791	98	2489	6	152	6	152
W-109-4*-4	123 5/8	3140	95 1/2	2426	82 1/2	2096	110	2794	6	152	6	152
W-1010-4*-4	135 5/8	3445	107 1/2	2731	94 1/2	2400	122	3099	6	152	6	152
W-1011-4*-4	147 5/8	3750	119 1/2	3035	106 1/2	2705	134	3404	6	152	6	152
W-1012-4*-4	159 5/8	4054	131 1/2	3340	118 1/2	3010	146	3708	6	152	6	152
W-1013-4*-4	171 5/8	4359	143 1/2	3645	130 1/2	3315	158	4013	6	152	6	152
W-1014-4*-4	183 5/8	4664	155 1/2	3950	142 1/2	3620	170	4318	6	152	6	152
W-1015-4*-4	195 5/8	4969	167 1/2	4255	154 1/2	3924	182	4623	6	152	6	152

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 KPa	150 PSIG	1034 KPa
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 KPa	225 PSIG	1551 KPa
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	W-10-4P-4(6)	REV.
DATE:	12 / 01 / 94	BY:	D.C.R.	TORONTO - CANADA	MONTREAL - CANADA	BUFFALO - N. Y.	COLCHESTER - U.K.	TEL: (416) 755-2291	TEL: (514) 421-2424	TEL: (716) 693-8813	TEL: (44) 120-657-9491