



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*-3	42 1/8	1070	25 1/2	648	14 1/2	368	38	965	4	102	4	102
W-104-4*-3	54 1/8	1375	37 1/2	953	26 1/2	673	50	1270	4	102	4	102
W-105-4*-3	66 1/8	1680	49 1/2	1257	38 1/2	978	62	1575	4	102	4	102
W-106-4*-3	78 1/8	1984	61 1/2	1562	50 1/2	1283	74	1880	4	102	4	102
W-107-4*-3	90 1/8	2289	73 1/2	1867	62 1/2	1588	86	2184	4	102	4	102
W-108-4*-3	102 1/8	2594	85 1/2	2172	74 1/2	1892	98	2489	4	102	4	102
W-109-4*-3	114 1/8	2899	97 1/2	2477	86 1/2	2197	110	2794	4	102	4	102
W-1010-4*-3	126 1/8	3204	109 1/2	2781	98 1/2	2502	122	3099	4	102	4	102
W-1011-4*-3	138 1/8	3508	121 1/2	3086	110 1/2	2807	134	3404	4	102	4	102
W-1012-4*-3	150 1/8	3813	133 1/2	3391	122 1/2	3112	146	3708	4	102	4	102
W-1013-4*-3	162 1/8	4118	145 1/2	3696	134 1/2	3416	158	4013	4	102	4	102
W-1014-4*-3	174 1/8	4423	157 1/2	4001	146 1/2	3721	170	4318	4	102	4	102
W-1015-4*-3	186 1/8	4728	169 1/2	4305	158 1/2	4026	182	4623	4	102	4	102

NOZZLE SCHEDULE				
SERVICE	MARK	SHELL SIDE	MARK	TUBE SIDE
INLET	(N1)	AS PER TABLE	(N5)	3 (76) NPT
OUTLET	(N2)	AS PER TABLE	(N6)	3 (76) NPT
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 DIMN'S ±1/8 (3) UNLESS OTHERWISE SHOWN.

DESIGN CONDITIONS				
	SHELL		TUBES	
DESIGN PRESSURE	150 PSIG	1034 KP _a	150 PSIG	1034 KP _a
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 _a	225 PSIG	1551 KP _a
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-3(4)	REV.			
DATE:	12 / 01 / 94	BY:	D.C.R.	TORONTO - CANADA	TEL : (416) 755-2291	MONTREAL - CANADA	TEL : (514) 421-2424	BUFFALO - N. Y.	TEL: (716) 693-8813	COLCHESTER - U.K.	TEL: (44) 120-657-9491