



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-82-4*-4	36 5/8	930	14	356	-	-	26	660	4	102	4	102
W-83-4*-4	48 5/8	1235	26	660	15	381	38	965	4	102	4	102
W-84-4*-4	60 5/8	1540	38	965	27	686	50	1270	4	102	4	102
W-85-4*-4	72 5/8	1845	50	1270	39	991	62	1575	4	102	4	102
W-86-4*-4	84 5/8	2149	62	1575	51	1295	74	1880	4	102	4	102
W-87-4*-4	96 5/8	2454	74	1880	63	1600	86	2184	4	102	4	102
W-88-4*-4	108 5/8	2759	86	2184	75	1905	98	2489	4	102	4	102
W-89-4*-4	120 5/8	3064	98	2489	87	2210	110	2794	4	102	4	102
W-810-4*-4	132 5/8	3369	110	2794	99	2515	122	3099	4	102	4	102
W-811-4*-4	144 5/8	3673	122	3099	111	2819	134	3404	4	102	4	102
W-812-4*-4	156 5/8	3978	134	3404	123	3124	146	3708	4	102	4	102
W-813-4*-4	168 5/8	4283	146	3708	135	3429	158	4013	4	102	4	102
W-814-4*-4	180 5/8	4588	158	4013	147	3734	170	4318	4	102	4	102

NOZZLE SCHEDULE				
SERVICE	MARK	SHELL SIDE	MARK	TUBE SIDE
INLET	N1	AS PER TABLE	N5	2 (51) FLG
OUTLET	N2	AS PER TABLE	N6	2 (51) 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 MAX. EXCHANGER LIFE, NO EXTERNAL FORCES APPLY.
 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 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-8-4P-4(4)	REV. A 2001 J.R.
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		