



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-143-2*-1	44 1/2	1130	23	584	10	254	38	965	4	102	4	102
W-144-2*-1	56 1/2	1435	35	889	22	559	50	1270	4	102	4	102
W-145-2*-1	68 1/2	1740	47	1194	34	864	62	1575	4	102	4	102
W-146-2*-1	80 1/2	2045	59	1499	46	1168	74	1880	4	102	4	102
W-147-2*-1	92 1/2	2350	71	1803	58	1473	86	2184	4	102	4	102
W-148-2*-1	104 1/2	2654	83	2108	70	1778	98	2489	4	102	4	102
W-149-2*-1	116 1/2	2959	95	2413	82	2083	110	2794	4	102	4	102
W-1410-2*-1	128 1/2	3264	107	2718	94	2388	122	3099	4	102	4	102
W-1411-2*-1	140 1/2	3569	119	3023	106	2692	134	3404	4	102	4	102
W-1412-2*-1	152 1/2	3874	131	3327	118	2997	146	3708	4	102	4	102
W-1413-2*-1	164 1/2	4178	143	3632	130	3302	158	4013	4	102	4	102
W-1414-2*-1	176 1/2	4483	155	3937	142	3607	170	4318	4	102	4	102
W-1415-2*-1	188 1/2	4788	167	4242	154	3912	182	4623	4	102	4	102

NOZZLE SCHEDULE

SERVICE	MARK	SHELL SIDE	MARK	TUBE SIDE
INLET	N1	AS PER TABLE	N5	6 (152) NPT
OUTLET	N2	AS PER TABLE	N6	6 (152) NPT
DRAIN	N3	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	125 PSIG	862 KPa
DESIGN TEMPERATURE	375 °F	191 °C	375 °F	191 °C
MIN. DESIGN METAL TEMP.	40 °F	4.4 °C	40 °F	4.4 °C
HYDRO. TEST PRESSURE	225 PSIG	1551 KPa	250 PSIG	1723 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-14-2P-1(4)	REV. A ECO #9172 APRIL 16/03 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		