



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-143-4*-1	43 7/8	1114	23	584	10	254	38	965	6	152	6	152
W-144-4*-1	55 7/8	1419	35	889	22	559	50	1270	6	152	6	152
W-145-4*-1	67 7/8	1724	47	1194	34	864	62	1575	6	152	6	152
W-146-4*-1	79 7/8	2029	59	1499	46	1168	74	1880	6	152	6	152
W-147-4*-1	91 7/8	2334	71	1803	58	1473	86	2184	6	152	6	152
W-148-4*-1	103 7/8	2638	83	2108	70	1778	98	2489	6	152	6	152
W-149-4*-1	115 7/8	2943	95	2413	82	2083	110	2794	6	152	6	152
W-1410-4*-1	127 7/8	3248	107	2718	94	2388	122	3099	6	152	6	152
W-1411-4*-1	139 7/8	3553	119	3023	106	2692	134	3404	6	152	6	152
W-1412-4*-1	151 7/8	3858	131	3327	118	2997	146	3708	6	152	6	152
W-1413-4*-1	163 7/8	4162	143	3632	130	3302	158	4013	6	152	6	152
W-1414-4*-1	175 7/8	4467	155	3937	142	3607	170	4318	6	152	6	152
W-1415-4*-1	187 7/8	4772	167	4242	154	3912	182	4623	6	152	6	152

NOZZLE SCHEDULE

SERVICE	MARK	SHELL SIDE	MARK	TUBE SIDE
INLET	(N1)	AS PER TABLE	(N5)	4 (102) NPT
OUTLET	(N2)	AS PER TABLE	(N6)	4 (102) 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 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 DIM'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-14-4P-1(6)	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		