



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	4	102	4	102
W-144-4*-1	55 7/8	1419	35	889	22	559	50	1270	4	102	4	102
W-145-4*-1	67 7/8	1724	47	1194	34	864	62	1575	4	102	4	102
W-146-4*-1	79 7/8	2029	59	1499	46	1168	74	1880	4	102	4	102
W-147-4*-1	91 7/8	2334	71	1803	58	1473	86	2184	4	102	4	102
W-148-4*-1	103 7/8	2638	83	2108	70	1778	98	2489	4	102	4	102
W-149-4*-1	115 7/8	2943	95	2413	82	2083	110	2794	4	102	4	102
W-1410-4*-1	127 7/8	3248	107	2718	94	2388	122	3099	4	102	4	102
W-1411-4*-1	139 7/8	3553	119	3023	106	2692	134	3404	4	102	4	102
W-1412-4*-1	151 7/8	3858	131	3327	118	2997	146	3708	4	102	4	102
W-1413-4*-1	163 7/8	4162	143	3632	130	3302	158	4013	4	102	4	102
W-1414-4*-1	175 7/8	4467	155	3937	142	3607	170	4318	4	102	4	102
W-1415-4*-1	187 7/8	4772	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	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 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-14-4P-1(4)	REV. A ECO #9172 APRIL 16/03 J.R.
DATE: 12 / 01 / 94 BY: D.C.R.	TEL : (416) 755-2291	TEL : (514) 421-2424	TEL : (716) 693-8813	TEL : (44) 120-657-9491		