



EXCHANGER SIZE * - BAFFLE SPACING	DIMENSIONS											
	A		B		C		D		(N1)		(N2)	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
W-183-4*-4	56 3/8	1432	19 1/4	489	4 3/4	121	38	965	8	203	8	203
W-184-4*-4	68 3/8	1737	31 1/4	794	16 3/4	425	50	1270	8	203	8	203
W-185-4*-4	80 3/8	2042	43 1/4	1099	28 3/4	730	62	1575	8	203	8	203
W-186-4*-4	92 3/8	2346	55 1/4	1403	40 3/4	1035	74	1880	8	203	8	203
W-187-4*-4	104 3/8	2651	67 1/4	1708	52 3/4	1340	86	2184	8	203	8	203
W-188-4*-4	116 3/8	2956	79 1/4	2013	64 3/4	1645	98	2489	8	203	8	203
W-189-4*-4	128 3/8	3261	91 1/4	2318	76 3/4	1949	110	2794	8	203	8	203
W-1810-4*-4	140 3/8	3566	103 1/4	2623	88 3/4	2254	122	3099	8	203	8	203
W-1811-4*-4	152 3/8	3870	115 1/4	2927	100 3/4	2559	134	3404	8	203	8	203
W-1812-4*-4	164 3/8	4175	127 1/4	3232	112 3/4	2864	146	3708	8	203	8	203
W-1813-4*-4	176 3/8	4480	139 1/4	3537	124 3/4	3169	158	4013	8	203	8	203
W-1814-4*-4	188 3/8	4787	151 1/4	3842	136 3/4	3473	170	4318	8	203	8	203
W-1815-4*-4	200 3/8	5090	163 1/4	4147	148 3/4	3778	182	4623	8	203	8	203

NOZZLE SCHEDULE				
SERVICE	MARK	SHELL SIDE	MARK	TUBE SIDE
INLET	(N1)	AS PER TABLE	(N5)	4 (102) FLG
OUTLET	(N2)	AS PER TABLE	(N6)	4 (102) 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.	40 °F	4.4 °C	40 °F	4.4 °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-18-4P-4(8)	REV. A ECO #9153 JAN.7/03 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	