



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-103-4*-1	43 1/4	1099	25 1/2	648	14 1/2	368	38	965	4	102	4	102
W-104-4*-1	55 1/4	1403	37 1/2	953	26 1/2	673	50	1270	4	102	4	102
W-105-4*-1	67 1/4	1708	49 1/2	1257	38 1/2	978	62	1575	4	102	4	102
W-106-4*-1	79 1/4	2013	61 1/2	1562	50 1/2	1283	74	1880	4	102	4	102
W-107-4*-1	91 1/4	2318	73 1/2	1867	62 1/2	1588	86	2184	4	102	4	102
W-108-4*-1	103 1/4	2623	85 1/2	2172	74 1/2	1892	98	2489	4	102	4	102
W-109-4*-1	115 1/4	2927	97 1/2	2477	86 1/2	2197	110	2794	4	102	4	102
W-1010-4*-1	127 1/4	3232	109 1/2	2781	98 1/2	2502	122	3099	4	102	4	102
W-1011-4*-1	139 1/4	3537	121 1/2	3086	110 1/2	2807	134	3404	4	102	4	102
W-1012-4*-1	151 1/4	3842	133 1/2	3391	122 1/2	3112	146	3708	4	102	4	102
W-1013-4*-1	163 1/4	4147	145 1/2	3696	134 1/2	3416	158	4013	4	102	4	102
W-1014-4*-1	175 1/4	4451	157 1/2	4001	146 1/2	3721	170	4318	4	102	4	102
W-1015-4*-1	187 1/4	4756	169 1/2	4305	158 1/2	4026	182	4623	4	102	4	102

NOZZLE SCHEDULE				
SERVICE	MARK	SHELL SIDE	MARK	TUBE SIDE
INLET	N1	AS PER TABLE	N5	3 (76) NPT
OUTLET	N2	AS PER TABLE	N6	3 (76) 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 MAXIMUM EXCHANGER LIFE.
 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	300 PSIG	2068 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	REV.
DATE: 12 / 01 / 94	BY: D.C.R.	TORONTO - CANADA	MONTREAL - CANADA	BUFFALO - N. Y.	COLCHESTER - U.K.	W-10-4P-1(4)				
		TEL: (416) 755-2291	TEL: (514) 421-2424	TEL: (716) 693-8813	TEL: (44) 120-657-9491					