



EXCHANGER SIZE *BAFFLE SPACING	DIMENSIONS											
	A		B		C		D		N1		N2	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
W-163-2*-1	45 1/4	1149	20 1/4	514	5 3/4	146	38	965	8	203	8	203
W-164-2*-1	57 1/4	1454	32 1/4	819	17 3/4	451	50	1270	8	203	8	203
W-165-2*-1	69 1/4	1759	44 1/4	1124	29 3/4	756	62	1575	8	203	8	203
W-166-2*-1	81 1/4	2064	56 1/4	1429	41 3/4	1060	74	1880	8	203	8	203
W-167-2*-1	93 1/4	2369	68 1/4	1734	53 3/4	1365	86	2184	8	203	8	203
W-168-2*-1	105 1/4	2673	80 1/4	2038	65 3/4	1670	98	2489	8	203	8	203
W-169-2*-1	117 1/4	2978	92 1/4	2343	77 3/4	1975	110	2794	8	203	8	203
W-1610-2*-1	129 1/4	3283	104 1/4	2648	89 3/4	2280	122	3099	8	203	8	203
W-1611-2*-1	141 1/4	3588	116 1/4	2953	101 3/4	2584	134	3404	8	203	8	203
W-1612-2*-1	153 1/4	3893	128 1/4	3258	113 3/4	2889	146	3708	8	203	8	203
W-1613-2*-1	165 1/4	4197	140 1/4	3562	125 3/4	3194	158	4013	8	203	8	203
W-1614-2*-1	177 1/4	4502	152 1/4	3867	137 3/4	3499	170	4318	8	203	8	203
W-1615-2*-1	189 1/4	4807	164 1/4	4172	149 3/4	3804	182	4623	8	203	8	203

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 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	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-16-2P-1(8)	REV.
DATE:	12 / 01 / 94	BY:	D.C.R.	TORONTO - CANADA	MONTREAL - CANADA	BUFFALO - N. Y.	COLCHESTER - U.K.	
				TEL : (416) 755-2291	TEL : (514) 421-2424	TEL : (716) 693-8813	TEL : (44) 120-657-9491	