



EXCHANGER SIZE *BAFFLE SPACING	DIMENSIONS											
	A		B		C		D		N1		N2	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
W-164-2*-1	57 1/4	1454	34 1/2	876	20	508	50	1270	6	152	6	152
W-165-2*-1	69 1/4	1759	46 1/2	1181	32	813	62	1575	6	152	6	152
W-166-2*-1	81 1/4	2064	58 1/2	1486	44	1118	74	1880	6	152	6	152
W-167-2*-1	93 1/4	2369	70 1/2	1791	56	1422	86	2184	6	152	6	152
W-168-2*-1	105 1/4	2673	82 1/2	2096	68	1727	98	2489	6	152	6	152
W-169-2*-1	117 1/4	2978	94 1/2	2400	80	2032	110	2794	6	152	6	152
W-1610-2*-1	129 1/4	3283	106 1/2	2705	92	2337	122	3099	6	152	6	152
W-1611-2*-1	141 1/4	3588	118 1/2	3010	104	2642	134	3404	6	152	6	152
W-1612-2*-1	153 1/4	3893	130 1/2	3315	116	2946	146	3708	6	152	6	152
W-1613-2*-1	165 1/4	4197	142 1/2	3620	128	3251	158	4013	6	152	6	152
W-1614-2*-1	177 1/4	4502	154 1/2	3924	140	3556	170	4318	6	152	6	152
W-1615-2*-1	189 1/4	4807	166 1/2	4229	152	3861	182	4623	6	152	6	152

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	A R M S T R O N G				NUMBER	REV.
G.A. 150 LB. W SERIES HEAT EXCHANGERS	TORONTO - CANADA	MONTREAL - CANADA	BUFFALO - N. Y.	COLCHESTER - U.K.	W-16-2P-1 (6)	
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		