



EXCHANGER SIZE * - BAFFLE SPACING	DIMENSIONS											
	A		B		C		D		N1		N2	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
W-184-4*-1	56 5/8	1438	33 1/2	851	20	508	50	1270	6	152	6	152
W-185-4*-1	68 5/8	1743	45 1/2	1156	32	813	62	1575	6	152	6	152
W-186-4*-1	80 5/8	2048	57 1/2	1461	44	1118	74	1880	6	152	6	152
W-187-4*-1	92 5/8	2353	69 1/2	1765	56	1422	86	2184	6	152	6	152
W-188-4*-1	104 5/8	2657	81 1/2	2070	68	1727	98	2489	6	152	6	152
W-189-4*-1	116 5/8	2962	93 1/2	2375	80	2032	110	2794	6	152	6	152
W-1810-4*-1	128 5/8	3267	105 1/2	2680	92	2337	122	3099	6	152	6	152
W-1811-4*-1	140 5/8	3572	117 1/2	2985	104	2642	134	3404	6	152	6	152
W-1812-4*-1	152 5/8	3877	129 1/2	3289	116	2946	146	3708	6	152	6	152
W-1813-4*-1	164 5/8	4181	141 1/2	3594	128	3251	158	4013	6	152	6	152
W-1814-4*-1	176 5/8	4486	153 1/2	3899	140	3556	170	4318	6	152	6	152
W-1815-4*-1	188 5/8	4791	165 1/2	4204	152	3861	182	4623	6	152	6	152

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 MAXIMUM EXCHANGER LIFE.
 3. FABRICATED TO ASME CODE SECTION VIII DIVISION 1 AND LATEST ADDENDA.
 4. DRAWING IS NOT TO SCALE.
 5. ALL DIM'S $\pm 1/8$ (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-18-4P-1(6)	REV.			
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