



EXCHANGER SIZE * - BAFFLE SPACING	DIMENSIONS											
	A		B		C		D		N1		N2	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
W-304-4*-4	81 1/2	2070	24 3/4	629			57	1448	16	406	16	406
W-305-4*-4	93 1/2	2375	36 3/4	933	12 1/2	318	69	1753	16	406	16	406
W-306-4*-4	105 1/2	2680	48 3/4	1238	24 1/2	622	81	2057	16	406	16	406
W-307-4*-4	117 1/2	2985	60 3/4	1543	36 1/2	927	93	2362	16	406	16	406
W-308-4*-4	129 1/2	3289	72 3/4	1848	48 1/2	1232	105	2667	16	406	16	406
W-309-4*-4	141 1/2	3594	84 3/4	2153	60 1/2	1537	117	2972	16	406	16	406
W-3010-4*-4	153 1/2	3899	96 3/4	2457	72 1/2	1842	129	3277	16	406	16	406
W-3011-4*-4	165 1/2	4204	108 3/4	2762	84 1/2	2146	141	3581	16	406	16	406
W-3012-4*-4	177 1/2	4509	120 3/4	3067	96 1/2	2451	153	3886	16	406	16	406
W-3013-4*-4	189 1/2	4813	132 3/4	3372	108 1/2	2756	165	4191	16	406	16	406
W-3014-4*-4	201 1/2	5118	144 3/4	3677	120 1/2	3061	177	4496	16	406	16	406

NOZZLE SCHEDULE				
SERVICE	MARK	SHELL SIDE	MARK	TUBE SIDE
INLET	N1	AS PER TABLE ANSI (RF) FLG	N5	10 (254) ANSI (RF) FLG
OUTLET	N2	AS PER TABLE ANSI (RF) FLG	N6	10 (254) ANSI (RF) FLG
DRAIN	N3	3/4 (19) NPT	N7	3/4 (19) 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.	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:  
  
ORDER No.:  
PROJECT/JOB:  
LOCATION:  
TAG: (QUOTE # )

TITLE 150 LB. W SERIES HEAT EXCHANGERS	A R M S T R O N G				NUMBER	REV.
DATE :-SEP./15/99 BY :-AP/AG	TORONTO - CANADA	MONTREAL - CANADA	BUFFALO - N. Y.	COLCHESTER - U.K.	W-30-4P-4	
	TEL : (416) 755-2291	TEL : (514) 421-2424	TEL: (716) 693-8813	TEL: (44) 120-657-9491		