



EXCHANGER SIZE *—BAFFLE SPACING	DIMENSIONS											
	A		B		C		D		N1		N2	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
W-244-4*-4	73 1/4	1861	26 1/4	667	6	152	53	1346	12	305	12	305
W-245-4*-4	85 1/4	2165	38 1/4	972	18	457	65	1651	12	305	12	305
W-246-4*-4	97 1/4	2470	50 1/4	1277	30	762	77	1956	12	305	12	305
W-247-4*-4	109 1/4	2775	62 1/4	1581	42	1066	89	2260	12	305	12	305
W-248-4*-4	121 1/4	3080	74 1/4	1886	54	1371	101	2565	12	305	12	305
W-249-4*-4	133 1/4	3385	86 1/4	2191	66	1676	113	2870	12	305	12	305
W-2410-4*-4	145 1/4	3689	98 1/4	2496	78	1981	125	3175	12	305	12	305
W-2411-4*-4	157 1/4	3994	110 1/4	2801	90	2286	137	3480	12	305	12	305
W-2412-4*-4	169 1/4	4299	122 1/4	3105	102	2590	149	3784	12	305	12	305
W-2413-4*-4	181 1/4	4604	134 1/4	3410	114	2895	161	4089	12	305	12	305
W-2414-4*-4	193 1/4	4909	146 1/4	3715	126	3200	173	4394	12	305	12	305
W-2415-4*-4	205 1/4	5213	158 1/4	4020	138	3505	185	4699	12	305	12	305

NOZZLE SCHEDULE				
SERVICE	MARK	SHELL SIDE	MARK	TUBE SIDE
INLET	N1	AS PER TABLE ANSI (RF) FLG	N5	8 (203) ANSI (RF) FLG
OUTLET	N2	AS PER TABLE ANSI (RF) FLG	N6	8 (203) 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-24-4P-4	
	TEL : (416) 755-2291	TEL : (514) 421-2424	TEL: (716) 693-8813	TEL: (44) 120-657-9491		