



EXCHANGER SIZE *BAFFLE SPACING	DIMENSIONS											
	A		B		C		D		N1		N2	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
W-224-4*-4	69 1/4	1759	25 1/2	648	5 1/4	133	52	1321	12	305	12	305
W-225-4*-4	81 1/4	2064	37 1/2	953	17 1/4	438	64	1626	12	305	12	305
W-226-4*-4	93 1/4	2369	49 1/2	1258	29 1/4	743	76	1931	12	305	12	305
W-227-4*-4	105 1/4	2673	61 1/2	1562	41 1/4	1047	88	2235	12	305	12	305
W-228-4*-4	117 1/4	2978	73 1/2	1867	53 1/4	1352	100	2540	12	305	12	305
W-229-4*-4	129 1/4	3283	85 1/2	2172	65 1/4	1657	112	2845	12	305	12	305
W-2210-4*-4	141 1/4	3588	97 1/2	2477	77 1/4	1962	124	3150	12	305	12	305
W-2211-4*-4	153 1/4	3893	109 1/2	2782	89 1/4	2267	136	3455	12	305	12	305
W-2212-4*-4	165 1/4	4197	121 1/2	3086	101 1/4	2571	148	3759	12	305	12	305
W-2213-4*-4	177 1/4	4502	133 1/2	3391	113 1/4	2876	160	4064	12	305	12	305
W-2214-4*-4	189 1/4	4807	145 1/2	3696	125 1/4	3181	172	4369	12	305	12	305
W-2215-4*-4	201 1/4	5112	157 1/2	4001	137 1/4	3486	184	4674	12	305	12	305

NOZZLE SCHEDULE				
SERVICE	MARK	SHELL SIDE	MARK	TUBE SIDE
INLET	N1	AS PER TABLE ANSI (RF) FLG	N5	6 (152) ANSI (RF) FLG
OUTLET	N2	AS PER TABLE ANSI (RF) FLG	N6	6 (152) 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 DIM'S ±1/8 (3) UNLESS OTHERWISE SHOWN.

DESIGN CONDITIONS		
	SHELL	TUBES
DESIGN PRESSURE	150 PSIG (1034 kpo)	150 PSIG (1034 kpo)
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 kpo)	225 PSIG (1551 kpo)
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 TEL : (416) 755-2291	MONTREAL - CANADA TEL : (514) 421-2424	BUFFALO - N. Y. TEL: (716) 693-8813	COLCHESTER - U.K. TEL: (44) 120-657-9491	W-22-4P-4	