



EXCHANGER SIZE	DIMENSIONS											
	A		B		C		D		N1		N2	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
WS-123-2-4	51	1295	22 3/4	578	12 1/2	318	38	965	6	152	2	51
WS-124-2-4	63	1600	34 3/4	883	24 1/2	622	50	1270	6	152	2	51
WS-125-2-4	75	1905	46 3/4	1187	36 1/2	927	62	1575	6	152	2	51
WS-126-2-4	87	2210	58 3/4	1492	48 1/2	1232	74	1880	6	152	2	51
WS-127-2-4	99	2515	70 3/4	1797	60 1/2	1537	86	2184	8	203	2 1/2	64
WS-128-2-4	111	2819	82 3/4	2102	72 1/2	1842	98	2489	8	203	2 1/2	64
WS-129-2-4	123	3124	94 3/4	2407	84 1/2	2146	110	2794	8	203	2 1/2	64
WS-1210-2-4	135	3429	106 3/4	2711	96 1/2	2451	122	3099	8	203	2 1/2	64
WS-1211-2-4	147	3734	118 3/4	3016	108 1/2	2756	134	3404	8	203	2 1/2	64
WS-1212-2-4	159	4039	130 3/4	3321	120 1/2	3061	146	3708	8	203	2 1/2	64
WS-1213-2-4	171	4343	142 3/4	3626	132 1/2	3366	158	4013	8	203	2 1/2	64
WS-1214-2-4	183	4648	154 3/4	3931	144 1/2	3670	170	4318	8	203	2 1/2	64
WS-1215-2-4	195	4953	166 3/4	4235	156 1/2	3975	182	4623	8	203	2 1/2	64

NOZZLE SCHEDULE				
SERVICE	MARK	SHELL SIDE	MARK	TUBE SIDE
INLET	N1	AS PER TABLE	N5	4 (102) FLG
OUTLET	N2	AS PER TABLE	N6	4 (102) FLG
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 DIM'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.	35 °F	1.7 °C	35 °F	1.7 °C
HYDRO. TEST PRESSURE	225 PSIG	1551 KPa	225 PSIG	1551 KPa
CONTENTS	STEAM		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. WS SERIES HEAT EXCHANGERS	TORONTO - CANADA	MONTREAL - CANADA	BUFFALO - N. Y.	COLCHESTER - U.K.	WS-12-2P-4	
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		