



DIMENSIONS SHOWN AS: inches (mm)

2 - 3/4 (19) DIA. HOLES (TYP.)

EXCHANGER SIZE *-BAFFLE SPACING	DIMENSIONS											
	A		B		C		D		N1		N2	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
W-42-4*-3	27 1/2	699	16 1/2	419	9 1/2	241	26	660	1 1/2	38	1 1/2	38
W-43-4*-3	39 1/2	1003	28 1/2	724	21 1/2	546	38	965	1 1/2	38	1 1/2	38
W-44-4*-3	51 1/2	1308	40 1/2	1029	33 1/2	851	50	1270	1 1/2	38	1 1/2	38
W-45-4*-3	63 1/2	1613	52 1/2	1334	45 1/2	1156	62	1575	1 1/2	38	1 1/2	38
W-46-4*-3	75 1/2	1918	64 1/2	1638	57 1/2	1461	74	1880	1 1/2	38	1 1/2	38
W-47-4*-3	87 1/2	2223	76 1/2	1943	69 1/2	1765	86	2184	1 1/2	38	1 1/2	38
W-48-4*-3	99 1/2	2527	88 1/2	2248	81 1/2	2070	98	2489	1 1/2	38	1 1/2	38
W-49-4*-3	111 1/2	2832	100 1/2	2553	93 1/2	2375	110	2794	1 1/2	38	1 1/2	38
W-410-4*-3	123 1/2	3137	112 1/2	2858	105 1/2	2680	122	3099	1 1/2	38	1 1/2	38

NOZZLE SCHEDULE

SERVICE	MARK	SHELL SIDE	MARK	TUBE SIDE
INLET	N1	AS PER TABLE	N5	1 (25) NPT
OUTLET	N2	AS PER TABLE	N6	1 (25) 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 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.	35 °F	1.7 °C	35 °F	1.7 °C
HYDRO. TEST PRESSURE	225 PSIG	1551 KPa	225 PSIG	1551 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-4-4P-3 (1.5)	REV.			
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