



Steam inlet pressure not to exceed 30 psig.  
For higher steam pressure, use Extended shell.

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

DIMENSIONS SHOWN AS: inches (mm)

EXCHANGER SIZE	DIMENSIONS											
	A		B		C		D		N1		N2	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
WSX-42-4-3	28 1/8	714	15 3/4	400	9 1/2	241	28	711	2	51	1	25
WSX-43-4-3	40 1/8	1019	27 3/4	705	21 1/2	546	40	1016	2	51	1	25
WSX-44-4-3	52 1/8	1324	39 3/4	1010	33 1/2	851	52	1321	2	51	1	25
WSX-45-4-3	64 1/8	1629	51 3/4	1314	45 1/2	1156	64	1626	2 1/2	64	1 1/4	32
WSX-46-4-3	76 1/8	1934	63 3/4	1619	57 1/2	1461	76	1930	2 1/2	64	1 1/4	32
WSX-47-4-3	88 1/8	2238	75 3/4	1924	69 1/2	1765	88	2235	2 1/2	64	1 1/4	32
WSX-48-4-3	100 1/8	2543	87 3/4	2229	81 1/2	2070	100	2540	2 1/2	64	1 1/4	32
WSX-49-4-3	112 1/8	2848	99 3/4	2534	93 1/2	2375	112	2845	2 1/2	64	1 1/4	32
WSX-410-4-3	124 1/8	3153	111 3/4	2838	105 1/2	2680	124	3150	2 1/2	64	1 1/4	32
WSX-411-4-3	136 1/8	3458	123 3/4	3143	117 1/2	2985	136	3454	2 1/2	64	1 1/4	32
WSX-412-4-3	148 1/8	3763	135 3/4	3448	129 1/2	3289	148	3759	2 1/2	64	1 1/4	32

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			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 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	G.A. 150 LB. WSX SERIES HEAT EXCHANGERS				A R M S T R O N G				NUMBER	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	WSX-4-4P-3	