



EXCHANGER SIZE	DIMENSIONS											
	A		B		C		D		N1		N2	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
WSX-143-4-1	44 1/4	1124	22	559	12 1/2	318	40	1016	6	152	2	51
WSX-144-4-1	56 1/4	1429	34	864	24 1/2	622	52	1321	6	152	2	51
WSX-145-4-1	68 1/4	1734	46	1168	36 1/2	927	64	1626	8	203	2 1/2	64
WSX-146-4-1	80 1/4	2038	58	1473	48 1/2	1232	76	1930	8	203	2 1/2	64
WSX-147-4-1	92 1/4	2343	70	1778	60 1/2	1537	88	2235	8	203	2 1/2	64
WSX-148-4-1	104 1/4	2648	82	2083	72 1/2	1842	100	2540	8	203	2 1/2	64
WSX-149-4-1	116 1/4	2953	94	2388	84 1/2	2146	112	2845	8	203	2 1/2	64
WSX-1410-4-1	128 1/4	3258	106	2692	96 1/2	2451	124	3150	8	203	2 1/2	64
WSX-1411-4-1	140 1/4	3562	118	2997	108 1/2	2756	136	3454	8	203	2 1/2	64
WSX-1412-4-1	152 1/4	3867	130	3302	120 1/2	3061	148	3759	8	203	2 1/2	64
WSX-1413-4-1	164 1/4	4172	142	3607	132 1/2	3366	160	4064	8	203	2 1/2	64
WSX-1414-4-1	176 1/4	4477	154	3912	144 1/2	3670	172	4369	8	203	2 1/2	64
WSX-1415-4-1	188 1/4	4782	166	4216	156 1/2	3975	184	4674	8	203	2 1/2	64

NOZZLE SCHEDULE				
SERVICE	MARK	SHELL SIDE	MARK	TUBE SIDE
INLET	(N1)	AS PER TABLE	(N5)	4 (102) NPT
OUTLET	(N2)	AS PER TABLE	(N6)	4 (102) 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	125 PSIG	862 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	250 PSIG	1723 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	WSX-14-4P-1	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