



| EXCHANGER SIZE | DIMENSIONS | | | | | | | | | | | |
|----------------|------------|------|--------|------|---------|------|--------|------|--------|-----|--------|----|
| | A | | B | | C | | D | | (N1) | | (N2) | |
| | inches | mm | inches | mm | inches | mm | inches | mm | inches | mm | inches | mm |
| WSX-143-2-4 | 54 7/8 | 1394 | 22 | 559 | 12 1/2 | 318 | 40 | 1016 | 6 | 152 | 2 | 51 |
| WSX-144-2-4 | 66 7/8 | 1699 | 34 | 864 | 24 1/2 | 622 | 52 | 1321 | 6 | 152 | 2 | 51 |
| WSX-145-2-4 | 78 7/8 | 2003 | 46 | 1168 | 36 1/2 | 927 | 64 | 1626 | 8 | 203 | 2 1/2 | 64 |
| WSX-146-2-4 | 90 7/8 | 2308 | 58 | 1473 | 48 1/2 | 1232 | 76 | 1930 | 8 | 203 | 2 1/2 | 64 |
| WSX-147-2-4 | 102 7/8 | 2613 | 70 | 1778 | 60 1/2 | 1537 | 88 | 2235 | 8 | 203 | 2 1/2 | 64 |
| WSX-148-2-4 | 114 7/8 | 2918 | 82 | 2083 | 72 1/2 | 1842 | 100 | 2540 | 8 | 203 | 2 1/2 | 64 |
| WSX-149-2-4 | 126 7/8 | 3223 | 94 | 2388 | 84 1/2 | 2146 | 112 | 2845 | 8 | 203 | 2 1/2 | 64 |
| WSX-1410-2-4 | 138 7/8 | 3527 | 106 | 2692 | 96 1/2 | 2451 | 124 | 3150 | 8 | 203 | 2 1/2 | 64 |
| WSX-1411-2-4 | 150 7/8 | 3832 | 118 | 2997 | 108 1/2 | 2756 | 136 | 3454 | 8 | 203 | 2 1/2 | 64 |
| WSX-1412-2-4 | 162 7/8 | 4137 | 130 | 3302 | 120 1/2 | 3061 | 148 | 3759 | 8 | 203 | 2 1/2 | 64 |
| WSX-1413-2-4 | 174 7/8 | 4442 | 142 | 3607 | 132 1/2 | 3366 | 160 | 4064 | 8 | 203 | 2 1/2 | 64 |
| WSX-1414-2-4 | 186 7/8 | 4747 | 154 | 3912 | 144 1/2 | 3670 | 172 | 4369 | 8 | 203 | 2 1/2 | 64 |
| WSX-1415-2-4 | 198 7/8 | 5051 | 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) | 6 (152) FLG |
| OUTLET | (N2) | AS PER TABLE | (N6) | 6 (152) 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 KP _a | 150 PSIG | 1034 KP _a |
| 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 KP _a | 225 PSIG | 1551 KP _a |
| 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-14-2P-4 | REV.: |
| DATE: 12/01/94 BY: D.C.R. | 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 | | |