



| EXCHANGER SIZE | DIMENSIONS | | | | | | | | | | | |
|----------------|------------|------|---------|------|--------|------|--------|------|--------|-----|--------|----|
| | A | | B | | C | | D | | (N1) | | (N2) | |
| | inches | mm | inches | mm | inches | mm | inches | mm | inches | mm | inches | mm |
| WSX-168-4-4 | 116 1/4 | 2953 | 79 3/4 | 2026 | 66 | 1676 | 100 | 2540 | 10 | 254 | 3 | 76 |
| WSX-169-4-4 | 128 1/4 | 3258 | 91 3/4 | 2330 | 78 | 1981 | 112 | 2845 | 10 | 254 | 3 | 76 |
| WSX-1610-4-4 | 140 1/4 | 3562 | 103 3/4 | 2635 | 90 | 2286 | 124 | 3150 | 10 | 254 | 3 | 76 |
| WSX-1611-4-4 | 152 1/4 | 3867 | 115 3/4 | 2940 | 102 | 2591 | 136 | 3454 | 10 | 254 | 3 | 76 |
| WSX-1612-4-4 | 164 1/4 | 4172 | 127 3/4 | 3245 | 114 | 2896 | 148 | 3759 | 10 | 254 | 3 | 76 |
| WSX-1613-4-4 | 176 1/4 | 4477 | 139 3/4 | 3550 | 126 | 3200 | 160 | 4064 | 10 | 254 | 3 | 76 |
| WSX-1614-4-4 | 188 1/4 | 4782 | 151 3/4 | 3854 | 138 | 3505 | 172 | 4369 | 10 | 254 | 3 | 76 |
| WSX-1615-4-4 | 200 1/4 | 5086 | 163 3/4 | 4159 | 150 | 3810 | 184 | 4674 | 10 | 254 | 3 | 76 |

| 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 | (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. | 40 °F | 4.4 °C | 40 °F | 4.4 °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. WSX SERIES HEAT EXCHANGERS | TORONTO - CANADA | MONTREAL - CANADA | BUFFALO - N. Y. | COLCHESTER - U.K. | WSX-16-4P-4-(10) | |
| 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 | | |