



DIMENSIONS SHOWN AS: inches (mm)

| EXCHANGER SIZE * - BAFFLE SPACING | DIMENSIONS | | | | | | | | | | | |
|--------------------------------------|------------|------|---------|------|---------|------|--------|------|--------|-----|--------|-----|
| | A | | B | | C | | D | | N1 | | N2 | |
| | inches | mm | inches | mm | inches | mm | inches | mm | inches | mm | inches | mm |
| W-103-4*-4 | 51 5/8 | 1311 | 25 1/2 | 648 | 14 1/2 | 368 | 38 | 965 | 4 | 102 | 4 | 102 |
| W-104-4*-4 | 63 5/8 | 1616 | 37 1/2 | 953 | 26 1/2 | 673 | 50 | 1270 | 4 | 102 | 4 | 102 |
| W-105-4*-4 | 75 5/8 | 1921 | 49 1/2 | 1257 | 38 1/2 | 978 | 62 | 1575 | 4 | 102 | 4 | 102 |
| W-106-4*-4 | 87 5/8 | 2226 | 61 1/2 | 1562 | 50 1/2 | 1283 | 74 | 1880 | 4 | 102 | 4 | 102 |
| W-107-4*-4 | 99 5/8 | 2530 | 73 1/2 | 1867 | 62 1/2 | 1588 | 86 | 2184 | 4 | 102 | 4 | 102 |
| W-108-4*-4 | 111 5/8 | 2835 | 85 1/2 | 2172 | 74 1/2 | 1892 | 98 | 2489 | 4 | 102 | 4 | 102 |
| W-109-4*-4 | 123 5/8 | 3140 | 97 1/2 | 2477 | 86 1/2 | 2197 | 110 | 2794 | 4 | 102 | 4 | 102 |
| W-1010-4*-4 | 135 5/8 | 3445 | 109 1/2 | 2781 | 98 1/2 | 2502 | 122 | 3099 | 4 | 102 | 4 | 102 |
| W-1011-4*-4 | 147 5/8 | 3750 | 121 1/2 | 3086 | 110 1/2 | 2807 | 134 | 3404 | 4 | 102 | 4 | 102 |
| W-1012-4*-4 | 159 5/8 | 4054 | 133 1/2 | 3391 | 122 1/2 | 3112 | 146 | 3708 | 4 | 102 | 4 | 102 |
| W-1013-4*-4 | 171 5/8 | 4359 | 145 1/2 | 3696 | 134 1/2 | 3416 | 158 | 4013 | 4 | 102 | 4 | 102 |
| W-1014-4*-4 | 183 5/8 | 4664 | 157 1/2 | 4001 | 146 1/2 | 3721 | 170 | 4318 | 4 | 102 | 4 | 102 |
| W-1015-4*-4 | 195 5/8 | 4969 | 169 1/2 | 4305 | 158 1/2 | 4026 | 182 | 4623 | 4 | 102 | 4 | 102 |

| NOZZLE SCHEDULE | | | | |
|-----------------|------|--------------|------|--------------|
| SERVICE | MARK | SHELL SIDE | MARK | TUBE SIDE |
| INLET | N1 | AS PER TABLE | N5 | 3 (76) FLG |
| OUTLET | N2 | AS PER TABLE | N6 | 3 (76) 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. | 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-10-4P-4(4) | REV. | | | |
| DATE: | 12 / 01 / 94 | BY: | D.C.R. | TORONTO - CANADA | MONTREAL - CANADA | BUFFALO - N. Y. | COLCHESTER - U.K. | TEL: (416) 755-2291 | TEL: (514) 421-2424 | TEL: (716) 693-8813 | TEL: (44) 120-657-9491 |