



DIMENSIONS SHOWN AS: inches (mm)

| EXCHANGER SIZE<br>*BAFFLE SPACING | DIMENSIONS |      |         |      |         |      |        |      |        |    |        |    |
|-----------------------------------|------------|------|---------|------|---------|------|--------|------|--------|----|--------|----|
|                                   | A          |      | B       |      | C       |      | D      |      | N1     |    | N2     |    |
|                                   | inches     | mm   | inches  | mm   | inches  | mm   | inches | mm   | inches | mm | inches | mm |
| W-42-2*-4                         | 33 1/4     | 845  | 16 1/2  | 419  | 9 1/2   | 241  | 26     | 660  | 1 1/2  | 38 | 1 1/2  | 38 |
| W-43-2*-4                         | 45 1/4     | 1149 | 28 1/2  | 724  | 21 1/2  | 546  | 38     | 965  | 1 1/2  | 38 | 1 1/2  | 38 |
| W-44-2*-4                         | 57 1/4     | 1454 | 40 1/2  | 1029 | 33 1/2  | 851  | 50     | 1270 | 1 1/2  | 38 | 1 1/2  | 38 |
| W-45-2*-4                         | 69 1/4     | 1759 | 52 1/2  | 1334 | 45 1/2  | 1156 | 62     | 1575 | 1 1/2  | 38 | 1 1/2  | 38 |
| W-46-2*-4                         | 81 1/4     | 2064 | 64 1/2  | 1638 | 57 1/2  | 1461 | 74     | 1880 | 1 1/2  | 38 | 1 1/2  | 38 |
| W-47-2*-4                         | 93 1/4     | 2369 | 76 1/2  | 1943 | 69 1/2  | 1765 | 86     | 2184 | 1 1/2  | 38 | 1 1/2  | 38 |
| W-48-2*-4                         | 105 1/4    | 2673 | 88 1/2  | 2248 | 81 1/2  | 2070 | 98     | 2489 | 1 1/2  | 38 | 1 1/2  | 38 |
| W-49-2*-4                         | 117 1/4    | 2978 | 100 1/2 | 2553 | 93 1/2  | 2375 | 110    | 2794 | 1 1/2  | 38 | 1 1/2  | 38 |
| W-410-2*-4                        | 129 1/4    | 3283 | 112 1/2 | 2858 | 105 1/2 | 2680 | 122    | 3099 | 1 1/2  | 38 | 1 1/2  | 38 |
|                                   |            |      |         |      |         |      |        |      |        |    |        |    |
|                                   |            |      |         |      |         |      |        |      |        |    |        |    |
|                                   |            |      |         |      |         |      |        |      |        |    |        |    |
|                                   |            |      |         |      |         |      |        |      |        |    |        |    |
|                                   |            |      |         |      |         |      |        |      |        |    |        |    |
|                                   |            |      |         |      |         |      |        |      |        |    |        |    |
|                                   |            |      |         |      |         |      |        |      |        |    |        |    |
|                                   |            |      |         |      |         |      |        |      |        |    |        |    |

| NOZZLE SCHEDULE |      |              |      |                |
|-----------------|------|--------------|------|----------------|
| SERVICE         | MARK | SHELL SIDE   | MARK | TUBE SIDE      |
| INLET           | N1   | AS PER TABLE | N5   | 1 1/4 (32) FLG |
| OUTLET          | N2   | AS PER TABLE | N6   | 1 1/4 (32) 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 MAX. EXCHANGER LIFE, NO EXTERNAL FORCES APPLY.  
 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 | 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 | REV. |
| DATE: | 12 / 01 / 94                          | BY: | D.C.R. | TORONTO - CANADA     | MONTREAL - CANADA    | BUFFALO - N. Y.      | COLCHESTER - U.K.       | WX-4-2P-4-(1.5) |        |      |
|       |                                       |     |        | TEL : (416) 755-2291 | TEL : (514) 421-2424 | TEL : (716) 693-8813 | TEL : (44) 120-657-9491 |                 |        |      |