



DIMENSIONS SHOWN AS: inches (mm)

2 - 3/4 (19) DIA. HOLES (TYP.)

| EXCHANGER SIZE | DIMENSIONS |      |        |      |        |      |        |      |        |    |        |    |
|----------------|------------|------|--------|------|--------|------|--------|------|--------|----|--------|----|
|                | A          |      | B      |      | C      |      | D      |      | (N1)   |    | (N2)   |    |
|                | inches     | mm   | inches | mm   | inches | mm   | inches | mm   | inches | mm | inches | mm |
| WS-62-2-3      | 27 5/8     | 702  | 15     | 381  | 8      | 203  | 25     | 635  | 1 1/2  | 38 | 1      | 25 |
| WS-63-2-3      | 39 5/8     | 1006 | 27     | 686  | 20     | 508  | 37     | 940  | 2      | 51 | 1      | 25 |
| WS-64-2-3      | 51 5/8     | 1311 | 39     | 991  | 32     | 813  | 49     | 1245 | 2 1/2  | 64 | 1      | 25 |
| WS-65-2-3      | 63 5/8     | 1616 | 51     | 1295 | 44     | 1118 | 61     | 1549 | 2 1/2  | 64 | 1      | 25 |
| WS-66-2-3      | 75 5/8     | 1921 | 63     | 1600 | 56     | 1422 | 73     | 1854 | 3      | 76 | 1      | 25 |
| WS-67-2-3      | 87 5/8     | 2226 | 75     | 1905 | 68     | 1727 | 85     | 2159 | 3      | 76 | 1      | 25 |
| WS-68-2-3      | 99 5/8     | 2530 | 87     | 2210 | 80     | 2032 | 97     | 2464 | 3      | 76 | 1      | 25 |

### NOZZLE SCHEDULE

| SERVICE | MARK | SHELL SIDE   | MARK | TUBE SIDE  |
|---------|------|--------------|------|------------|
| INLET   | (N1) | AS PER TABLE | (N5) | 2 (51) NPT |
| OUTLET  | (N2) | AS PER TABLE | (N6) | 2 (51) 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  $\pm 1/8$  (3) UNLESS OTHERWISE SHOWN.

### DESIGN CONDITIONS

|                         | SHELL  |        | TUBES  |        |
|-------------------------|--------|--------|--------|--------|
|                         | PSIG   | KPa    | PSIG   | KPa    |
| DESIGN PRESSURE         | 150    | 1034   | 150    | 1034   |
| 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    | 1551   | 300    | 2068   |
| CONTENTS                | STEAM  |        | WATER  |        |

CUSTOMER:

LOCATION:

ENGINEER:

ORDER No.:

PROJECT/JOB:

LOCATION:

TAG:

(QUOTE # )

TITLE G.A. 150 LB. WS SERIES HEAT EXCHANGERS

A R M S T R O N G

NUMBER

REV.

DATE: 12 / 01 / 94

BY: D.C.R.

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WS-6-2P-3- (3)