



| EXCHANGER SIZE | DIMENSIONS | | | | | | | | | | | | | | | |
|----------------|------------|------|---------|------|---------|------|--------|------|--------|-----|--------|-----|--------|-----|--------|-----|
| | A | | B | | C | | D | | E | | F | | N1 | | N2 | |
| | inches | mm | inches | mm | inches | mm | inches | mm | inches | mm | inches | mm | inches | mm | inches | mm |
| WS-263-4-4 | 63 | 1600 | 20 | 508 | 7 1/2 | 191 | 42 | 1067 | 20 3/4 | 527 | 27 5/8 | 702 | 10 | 254 | 3 NPT | 76 |
| WS-264-4-4 | 75 | 1905 | 30 1/4 | 768 | 14 1/4 | 362 | 54 | 1372 | 22 1/4 | 565 | 30 1/8 | 765 | 12 | 305 | 4 FLG | 102 |
| WS-265-4-4 | 87 | 2210 | 42 1/4 | 1073 | 26 1/4 | 667 | 66 | 1676 | 22 1/4 | 565 | 30 1/8 | 765 | 12 | 305 | 4 FLG | 102 |
| WS-266-4-4 | 99 | 2514 | 53 1/4 | 1353 | 36 3/4 | 933 | 78 | 1981 | 23 1/4 | 591 | 31 3/4 | 806 | 14 | 356 | 4 FLG | 102 |
| WS-267-4-4 | 111 | 2819 | 63 | 1600 | 44 1/2 | 1130 | 90 | 2286 | 24 1/2 | 622 | 34 | 864 | 16 | 406 | 6 FLG | 152 |
| WS-268-4-4 | 123 | 3124 | 75 | 1905 | 56 1/2 | 1435 | 102 | 2591 | 24 1/2 | 622 | 34 | 864 | 16 | 406 | 6 FLG | 152 |
| WS-269-4-4 | 135 | 3429 | 86 1/4 | 2191 | 66 3/4 | 1695 | 114 | 2896 | 25 1/4 | 641 | 35 3/4 | 908 | 18 | 457 | 6 FLG | 152 |
| WS-2610-4-4 | 147 | 3734 | 98 1/4 | 2496 | 78 3/4 | 2000 | 126 | 3200 | 25 1/4 | 641 | 35 3/4 | 908 | 18 | 457 | 6 FLG | 152 |
| WS-2611-4-4 | 159 | 4039 | 110 1/4 | 2800 | 90 3/4 | 2305 | 138 | 3505 | 25 1/4 | 641 | 35 3/4 | 908 | 18 | 457 | 6 FLG | 152 |
| WS-2612-4-4 | 171 | 4343 | 120 | 3048 | 98 1/4 | 2496 | 150 | 3810 | 26 1/2 | 673 | 37 7/8 | 962 | 20 | 508 | 8 FLG | 203 |
| WS-2613-4-4 | 183 | 4648 | 132 | 3353 | 110 1/4 | 2800 | 162 | 4115 | 26 1/2 | 673 | 37 7/8 | 962 | 20 | 508 | 8 FLG | 203 |
| WS-2614-4-4 | 195 | 4953 | 144 | 3658 | 122 1/4 | 3105 | 174 | 4420 | 26 1/2 | 673 | 37 7/8 | 962 | 20 | 508 | 8 FLG | 203 |
| WS-2615-4-4 | 207 | 5258 | 156 | 3962 | 134 1/4 | 3410 | 186 | 4724 | 26 1/2 | 673 | 37 7/8 | 962 | 20 | 508 | 8 FLG | 203 |

| NOZZLE SCHEDULE | | | | |
|-----------------|------|----------------------------|------|-----------------------|
| SERVICE | MARK | SHELL SIDE | MARK | TUBE SIDE |
| INLET | (N1) | AS PER TABLE ANSI (RF) FLG | (N5) | 8 (203) ANSI (RF) FLG |
| OUTLET | (N2) | AS PER TABLE ANSI (RF) FLG | (N6) | 8 (203) ANSI (RF) FLG |
| DRAIN | (N3) | 3/4 (19) NPT | (N7) | 3/4 (19) 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 |
| 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:
 ORDER No.:
 PROJECT/JOB:
 LOCATION:
 TAG: (QUOTE #)

| | | | | | | |
|--|----------------------|----------------------|----------------------|-------------------------|------------|------|
| TITLE 150 LB. W SERIES HEAT EXCHANGERS | A R M S T R O N G | | | | NUMBER | REV. |
| DATE :-SEP./15/99 BY :-AP/AG | TORONTO - CANADA | MONTREAL - CANADA | BUFFALO - N. Y. | COLCHESTER - U.K. | WS-26-4P-4 | |
| | TEL : (416) 755-2291 | TEL : (514) 421-2424 | TEL : (716) 693-8813 | TEL : (44) 120-657-9491 | | |