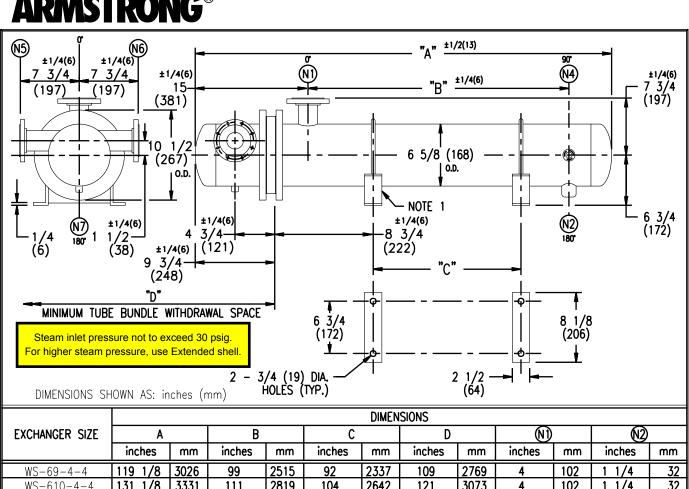
ARMSTRONG®



| | DIMENSIONS | | | | | | | | | | | |
|----------------|------------|------|--------|------|--------|------|--------|------|--------|-----|--------|----|
| EXCHANGER SIZE | Α | | В | | С | | D | | (N) | | N2 | |
| | inches | mm | inches | mm | inches | mm | inches | mm | inches | mm | inches | mm |
| WS-69-4-4 | 119 1/8 | 3026 | 99 | 2515 | 92 | 2337 | 109 | 2769 | 4 | 102 | 1 1/4 | 32 |
| WS-610-4-4 | 131 1/8 | 3331 | 111 | 2819 | 104 | 2642 | 121 | 3073 | 4 | 102 | 1 1/4 | 32 |
| WS-611-4-4 | 143 1/8 | 3635 | 123 | 3124 | 116 | 2946 | 133 | 3378 | 4 | 102 | 1 1/4 | 32 |
| WS-612-4-4 | 155 1/8 | 3940 | 135 | 3429 | 128 | 3251 | 145 | 3683 | 4 | 102 | 1 1/4 | 32 |
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| NOZZLE SCHEDULE | | | | | | | |
|-----------------|------|--------------|---------------------|----------------|--|--|--|
| SERVICE | MARK | SHELL SIDE | MARK | Tube Side | | | |
| INLET | (N) | as per table | N5) | 1 1/2 (38) FLG | | | |
| OUTLET | 8 | as per table | (16) | 1 1/2 (38) FLG | | | |
| DRAIN | | | $\langle v \rangle$ | 1/2 (13) NPT | | | |
| VENT | (3) | 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 ±1/8 (3) UNLESS OTHERWISE SHOWN.

| DES | SIGN CONDI | TIONS | | CUSTOMER: | | | |
|---------------------------|------------|----------|---------------|-----------|--------------|----------|------|
| | SHE | LL | TUBES | | LOCATION: | | |
| DESIGN PRESSURE | 150 PSIG | 1034 KPa | 150 PSIG | 1034 KPa | ENGINEER: | | |
| DESIGN TEMPERATURE | 375 °F | 191 °C | 375 °F | 191 °C | ORDER No.: | | |
| MIN. DESIGN METAL TEMP. | 35 °F | 1,7 °C | 35 ° F | 1,7 °C | PROJECT/JOB: | | |
| HYDRO, TEST PRESSURE | 225 PSIG | 1551 KPa | 300 PSIG | 2068 KPa | LOCATION; | | |
| CONTENTS | STEAM | | WATER | | TAG; | (QUOTE # |) |
| TITLE G.A. 150 LB. WS SEI | RIES | A R | ' M | S T | R O N G | NUMBER | REV, |

HEAT EXCHANGERS WS-6-4P-4-(4) COLCHESTER - U.K. TORONTO - CANADA MONTREAL - CANADA BUFFALO - N. Y. 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