



DIMENSIONS SHOWN AS: inches (mm)

| EXCHANGER SIZE | DIMENSIONS | | | | | | | | NOZZLE SCHEDULE | | |
|----------------|------------|------|--------|------|--------|------|---------|------|--|---------------|--------------|
| | "A" | | "B" | | "C" | | "D" | | (N1) INLET | 1" FLG (25) | |
| | inches | mm | inches | mm | inches | mm | inches | mm | (N2) OUTLET | 1" FLG (25) | |
| THW-412-4-4 | 20 | 508 | 12 | 305 | 14 | 356 | - | - | (N3) DRAIN | 1/2" NPT (13) | |
| THW-418-4-4 | 26 | 660 | 18 | 457 | 20 | 508 | - | - | COLLAR ASSEMBLY | | |
| THW-424-4-4 | 32 | 813 | 24 | 610 | 26 | 660 | 12-1/8 | 308 | STANDARD OVS. FOR STONE LINING | | |
| THW-430-4-4 | 38 | 965 | 30 | 762 | 32 | 813 | 18-1/8 | 460 | "E" | 4-1/2" (114) | 6-5/8" (168) |
| THW-436-4-4 | 44 | 1118 | 36 | 914 | 38 | 965 | 24-1/8 | 613 | "F" | 6" (152) | 6-1/2" (165) |
| THW-442-4-4 | 50 | 1270 | 42 | 1067 | 44 | 1118 | 30-1/8 | 765 | DESIGN CONDITIONS | | |
| THW-448-4-4 | 56 | 1422 | 48 | 1219 | 50 | 1270 | 36-1/8 | 918 | TUBES | | |
| THW-454-4-4 | 62 | 1575 | 54 | 1372 | 56 | 1422 | 42-1/8 | 1070 | DESIGN PRESSURE | 150 PSIG | 1034 KPa |
| THW-460-4-4 | 68 | 1727 | 60 | 1524 | 62 | 1575 | 48-1/8 | 1222 | DESIGN TEMPERATURE | 375 °F | 191 °C |
| THW-466-4-4 | 74 | 1880 | 66 | 1676 | 68 | 1727 | 54-1/8 | 1375 | M.D.M.T. | 35 °F | 1.7 °C |
| THW-472-4-4 | 80 | 2032 | 72 | 1829 | 74 | 1880 | 60-1/8 | 1527 | HYD. TEST PRESSURE | 225 PSIG | 1551 KPa |
| THW-478-4-4 | 86 | 2184 | 78 | 1981 | 80 | 2032 | 66-1/8 | 1680 | NOTES: | | |
| THW-484-4-4 | 92 | 2337 | 84 | 2134 | 86 | 2184 | 72-1/8 | 1832 | 1. COLLAR ASSEMBLY SUPPLIED SEPARATELY. | | |
| THW-490-4-4 | 98 | 2489 | 90 | 2286 | 92 | 2337 | 78-1/8 | 1984 | 2. FABRICATED TO ASME CODE SECTION VIII DIVISION 1 AND LATEST ADDENDA. | | |
| THW-496-4-4 | 104 | 2642 | 96 | 2438 | 98 | 2489 | 84-1/8 | 2137 | 3. DRAWING IS NOT TO SCALE. | | |
| THW-4102-4-4 | 110 | 2794 | 102 | 2591 | 104 | 2642 | 90-1/8 | 2289 | 4. ALL DIM'S ±1/8 (3) UNLESS OTHERWISE SHOWN. | | |
| THW-4108-4-4 | 116 | 2946 | 108 | 2743 | 110 | 2794 | 96-1/8 | 2442 | 5. DIMENSIONS SHOWN AS: in.(mm) | | |
| THW-4114-4-4 | 122 | 3099 | 114 | 2896 | 116 | 2946 | 102-1/8 | 2594 | CUSTOMER: | | |
| THW-4120-4-4 | 128 | 3251 | 120 | 3048 | 122 | 3099 | 108-1/8 | 2746 | LOCATION: | | |
| THW-4126-4-4 | 134 | 3404 | 126 | 3200 | 128 | 3251 | 114-1/8 | 2899 | ENGINEER : | | |
| THW-4132-4-4 | 140 | 3556 | 132 | 3353 | 134 | 3404 | 120-1/8 | 3051 | ORDER No.: | | |
| THW-4138-4-4 | 146 | 3708 | 138 | 3505 | 140 | 3556 | 126-1/8 | 3204 | PROJECT/JOB: | | |
| | | | | | | | | | LOCATION: | | |
| | | | | | | | | | TAG: | | |
| | | | | | | | | | QUOTE # | | |

| | | | | | | | | | | | |
|---------|---------------------------|-------------------|-------|------------------|-------------------|-----------------|-------------------|----------------------|----------------------|---------------------|------------------------|
| TITLE | G.A. 150 LB. TANK HEATERS | A R M S T R O N G | | | | NUMBER | THW-4-4P-4 | REV. | | | |
| DATE :- | 24 / 05 / 95 | 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 |