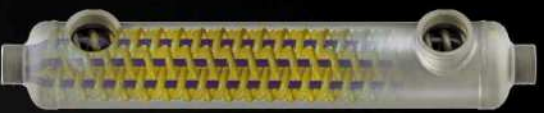


pure titanium



NEW from AIC - titanium shell and coil heat exchangers. This is the continuation of the standard TEE line - with ground-breaking design and revolutionary thermal technology. In response to market demands, we have launched TEE-W completely welded high grade titanium construction, able to withstand most aggressive environment applications. TEE-W has the same unique heating coil geometry, which raises the heat transfer coefficient and optimizes flow turbulence.

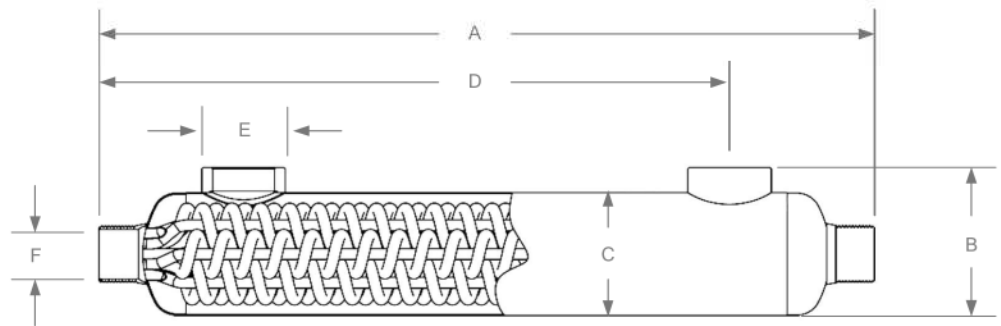


Engineering Data

Heat Exchanger Nominal Performance

| Heat Exchanger Type | Nominal Capacity | | Hot Water | | | | Cold Water | | | |
|---------------------|------------------|--------|-----------|-------|-----|------|------------|-------|-----|------|
| | kw | Btu/hr | l/min | USGPM | kPa | psig | l/min | USGPM | kPa | psig |
| TW-100Ti | 29 | 98000 | 22 | 5.8 | 11 | 1.6 | 250 | 66 | 9 | 1.3 |
| TW-200Ti | 57 | 195000 | 30 | 7.9 | 28 | 4.1 | 300 | 80 | 16 | 2.3 |
| TW-300Ti | 87 | 298000 | 35 | 9.2 | 38 | 5.5 | 350 | 92 | 20 | 2.9 |
| TW-400Ti | 113 | 385000 | 40 | 10.6 | 65 | 9.4 | 400 | 106 | 25 | 3.6 |

Nominal values are based on 60°C (140°F) temperature between incoming heating and heated water



Dimensions

| Heat Exchanger Type | A | | B | | C | | D | | E | F |
|---------------------|-----|-------|-----|------|----|------|-----|-------|--------|--------|
| | mm | in | mm | in | mm | in | mm | in | size | size |
| TW-100Ti | 340 | 13.39 | 107 | 4.21 | 89 | 3.50 | 248 | 9.74 | 1 1/2" | 1 1/4" |
| TW-200Ti | 539 | 21.22 | 107 | 4.21 | 89 | 3.50 | 444 | 17.48 | 1 1/2" | 1 1/4" |
| TW-300Ti | 766 | 30.16 | 107 | 4.21 | 89 | 3.50 | 672 | 26.46 | 1 1/2" | 1 1/4" |
| TW-400Ti | 914 | 35.98 | 107 | 4.21 | 89 | 3.50 | 823 | 32.38 | 1 1/2" | 1 1/4" |

At AIC we constantly strive to engineer, design, and develop new products for a changing marketplace, and we will continue our tradition of providing customers with unique solutions to their most demanding needs.

Our stringent quality processes and management systems fulfill and are certified to the requirement of ISO9001.



Design Parameters

| | |
|------------------------|------------------|
| Shell side pressure | 16 bar (232 psi) |
| Shell side temperature | 90°C (194°F) |
| Tube side pressure | 16 bar (232 psi) |
| Tube side temperature | 90°C (194°F) |

Standard Materials

| | |
|--------------|----------|
| HELICAL COIL | Titanium |
| SHELL | Titanium |



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