



PROCESS COOLING  
SOLUTIONS

# TAE<sup>evn</sup> TECH MINI

- » EFFICIENT, EVAPORATOR-IN-TANK DESIGN
- » RUGGED, INDUSTRIAL CONSTRUCTION
- » LOW COOLANT TEMPERATURE CAPABILITY
- » NON-FERROUS COOLANT CIRCUIT
- » ADVANCED ELECTRONIC CONTROLS



## A NEW GENERATION OF PORTABLE INDUSTRIAL CHILLERS

“Craft-scale” manufacturing is on the rise and smaller industrial processors have the same need for intelligent & reliable cooling solutions as their larger cousins. Developed as a logical extension of MTA’s flagship TAEvoTECH range, the TAEvoTECH MINI is a small chiller with big-chiller features. The completely packaged design, with its finned-coil evaporator immersed in the coolant storage tank and advanced electronic controls, combine high efficiency and reliability with compact dimensions. Perfect for cooling smaller industrial processes.

## MAXIMUM PERFORMANCE AND APPLICABILITY

The design of the MINI has been engineered to ensure class-leading performance and reliability. The innovative finned-coil evaporator maximizes heat transfer surface while reducing coolant pressure drop and the effects of fouling. The polyethylene tank and non-ferrous hydraulic circuit are compatible with a wide range of process coolants including deionized water and glycol mixtures.

## INSTALLATION FLEXIBILITY

True to its name, compact dimensions allow the MINI to be installed in a variety of locations – even below a workbench. And the robust cabinet structure, with eyebolts, allows lifting from either the top or the bottom. Optional casters provide portability.

## EASY MAINTENANCE AND SERVICE

The MINI’s arrangement of components was designed with maintenance and service in mind. The cleanable condenser air filter is accessible from the outside of the chiller without tools. Condenser air flow is arranged so that troubleshooting of the refrigerant circuit can be performed while the chiller is running. A simple red/green status light keeps the operator up to date, while alarm codes from the controller display provide more detailed information.

## WIDE OPERATING RANGE

Accepting coolant inlet temperatures up to 85°F (30°C) and providing coolant outlet temperature as low as 23°F (-5°C) allows the TAEvoTECH MINI to meet the widest range of applications. And with an ambient air temperature limit of 108°F (42°C), the MINI performs well even in extreme environments.

## STANDARD FEATURES

- » Eco-friendly R410a refrigerant
- » High refrigerant pressure safety switch
- » Large, vented coolant storage tank with drain, fill, and overflow connections.
- » Non-ferrous coolant circuit
- » Coolant level indicator
- » Cleanable metal condenser air filter
- » Digital microprocessor-based control
- » Large red/green status light
- » Remote start/stop input and alarm output contacts

## OPTIONS

- » Casters
- » Coolant pressure by-pass
- » Low coolant outlet temperature (23°F)
- » Dynamic setpoint (follows ambient temperature)



INNOVATIVE TANK-MOUNTED EVAPORATOR



CONTROLLER WITH DIGITAL ICON DISPLAYS

TAEvoTECH MINI 10		
Cooling capacity (1)		1 TON
Total absorbed power (1)		2 kW
Pump nominal flow & pressure (1)	2.4 @ 54	GPM @ PSIG
Power supply (2)	230/2/60	V/Ph/Hz
Tank volume	6	GAL
Connection sizes	1/2"	NPT-F
Dimensions (W x L x H)	19 x 26 x 34	INCHES
Weight (operating)	275	LBS
<small>(1) @ nominal conditions of 55°F water inlet, 45°F water outlet &amp; 95°F ambient air                      (2) Suitable for stated voltage +/- 10% and single phase or split phase supply power</small>		



MTA is ISO9001 certified, a sign of its commitment to complete customer satisfaction



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