



## Unit Description

The application of a chiller in industrial processes offers significant productivity improvements and cost reductions.

TAEevo, the world's favourite industrial chiller, goes one step further, having been specifically designed for, and together with, the industrial users.

Numerous benefits are coupled with extreme flexibility to all individual needs.



## Unit Features

### ATMOSPHERIC PRESSURE FILL KIT

This kit (from O15) is simply installed onto the back of the chiller itself, and features a generous tank (with an easy to read water level indication) encased within a tough galvanized steel cabinet. A tap offers easy chiller water tank filling. The fill kit is standard on Models M03-10.

### PRESSURISED FILL KIT

This kit, available from model O15, is used in pressurised water circuit applications (up to 6bar). The kit features all components required for safe and easy operation, including a pressure reducer, water inlet valve, pressure gauge, automatic relief valve, safety valve and expansion tank.

### REMOTE CONTROL OPTIONS

The following remote control options are offered from model O15: Simple remote control module (on/off, unit status) for installation at up to 150m from unit; Advanced remote control module (full control), for installation at up to 150m from unit.

### SUPERVISOR OPTIONS

The microprocessor can be linked to various external Supervisor systems: RS485 serial connection to an external supervisor (MODBUS and other leading systems); XWEB300 Supervisor kit, operating via internet; Remote GSM connection directly to a mobile phone.

## Unit Benefits

### REDUCED COSTS AND IMPROVED PRODUCTIVITY

TAEevo offers precise water temperature control, with numerous benefits: Increased productivity and reduced production cycle times. Reduced production costs, as well as less wastage. Reduced maintenance times and fewer interruptions during production.

### CLOSED CIRCUIT OPERATION

TAEevo operates in a closed circuit, offering the following advantages: Extremely precise water temperature control, independent of ambient conditions. Quick reaction to any sudden load changes, ensuring steady operating conditions. The same water is continuously reutilised, thereby avoiding both unwanted wastage of this precious resource and the health hazards of water born bacteria.

### A CHILLER DESIGNED FOR INDUSTRY

Unlike typical chillers, TAEevo has been designed specifically for

industry. Fruit of over 20 years in the industrial chilling market, with hundreds of thousands of refrigerating machines installed worldwide, TAEevo perfectly matches the needs of a diverse range of industries.

### LOWEST OPERATING COSTS

Thanks especially to energy efficient scroll compressors, the oversized evaporator and the unique evaporator-in-tank configuration, TAEevo achieves leading energy efficiency levels. This is mated to low maintenance needs, ensuring TAEevo is a highly economical long-term proposition.

## The Perfect Solution

### SUITED TO ALL CONDITIONS

Water inlet limits of -5 to 35°C and outlet limits of -10 (0°C on M03 -10) to 30°C ensure TAEevo is suited to all industrial applications. IP54 protection (from O31), full frontal access, easily removable panels and a separate refrigeration compartment (from O15) facilitate ease of use.

### MAXIMUM CONTROL

The large tank and evaporator ensure steady water temperatures, even during sudden load variations. This is further enhanced by passing the water through the evaporator before entering the tank, offering a ready chilled water supply. HP, LP and water manometers (from O31) give quick overview status.

### ASSURED QUALITY

All models are individually waterside tested at nominal operating conditions, and also undergo operating tests, refrigerant charge and leakage controls, and microprocessor and safety device setting verifications. Leading brand components are used throughout, ensuring long term reliability.

### FAIL-SAFE OPERATION

an internal trace water by-pass, numerous safety devices, generous water temperature limits, a 46°C ambient temperature limit, antifreeze protection and an internal water level sensor. The advanced microprocessor ensures fail-safe operation at all times.

Equipment designed to ISO-9001 and all relevant directives. Product improvement is a continual process at ICS Industrial Cooling and we reserve the right to change the design and specifications without notice or obligation.

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