

TETRIS W REV OH TB



TETRIS W REV OH TB

High temperature water/water
Heat Pump
70÷530 kW



Unitherm Dublin Office
+353 1 610 9153

Unitherm Cork Office
+353 21 441 401

Unitherm Galway Office
+353 91 380 038

Email
commercial@unithermhs.ie

TETRIS W REV TEMPERATURE BOOSTER OPTIMIZED FOR HIGH WATER TEMPERATURES PRODUCTION

Bluethink advanced control
with integrated web server

Blueeye supervision
system (option)

Multilogic function for
multiple units' system (option)

Compatible with
Flowzer option

Leaving water temperature
up to 80°C

TEMPERATURE BOOSTER

Wide range,
high redundancy,
high reliability

Wide operating limits

General

Non reversible water/water heat pump specifically designed to reach high water temperature levels.

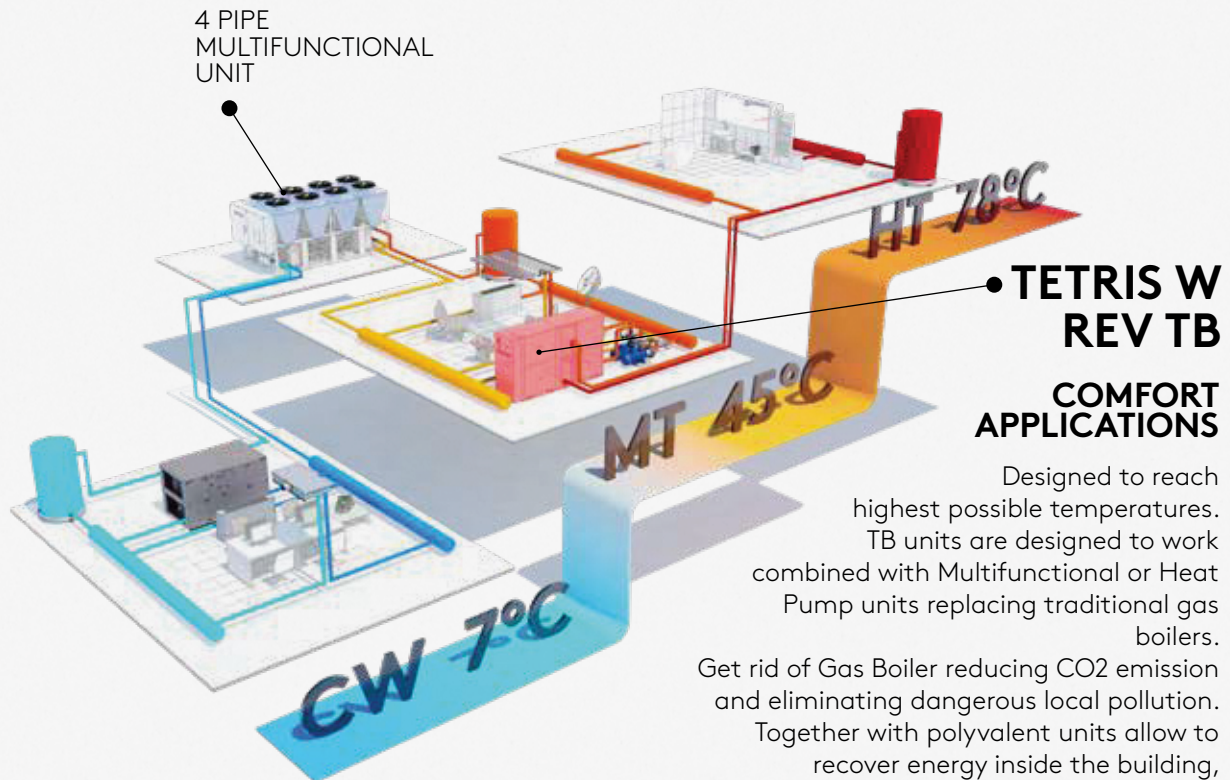
Configurations

OH: standard non reversible heat pump

LN: low noise version

MOIB: integrated hydraulic module as option

APPLICATIONS



Designed to reach highest possible temperatures. TB units are designed to work combined with Multifunctional or Heat Pump units replacing traditional gas boilers.

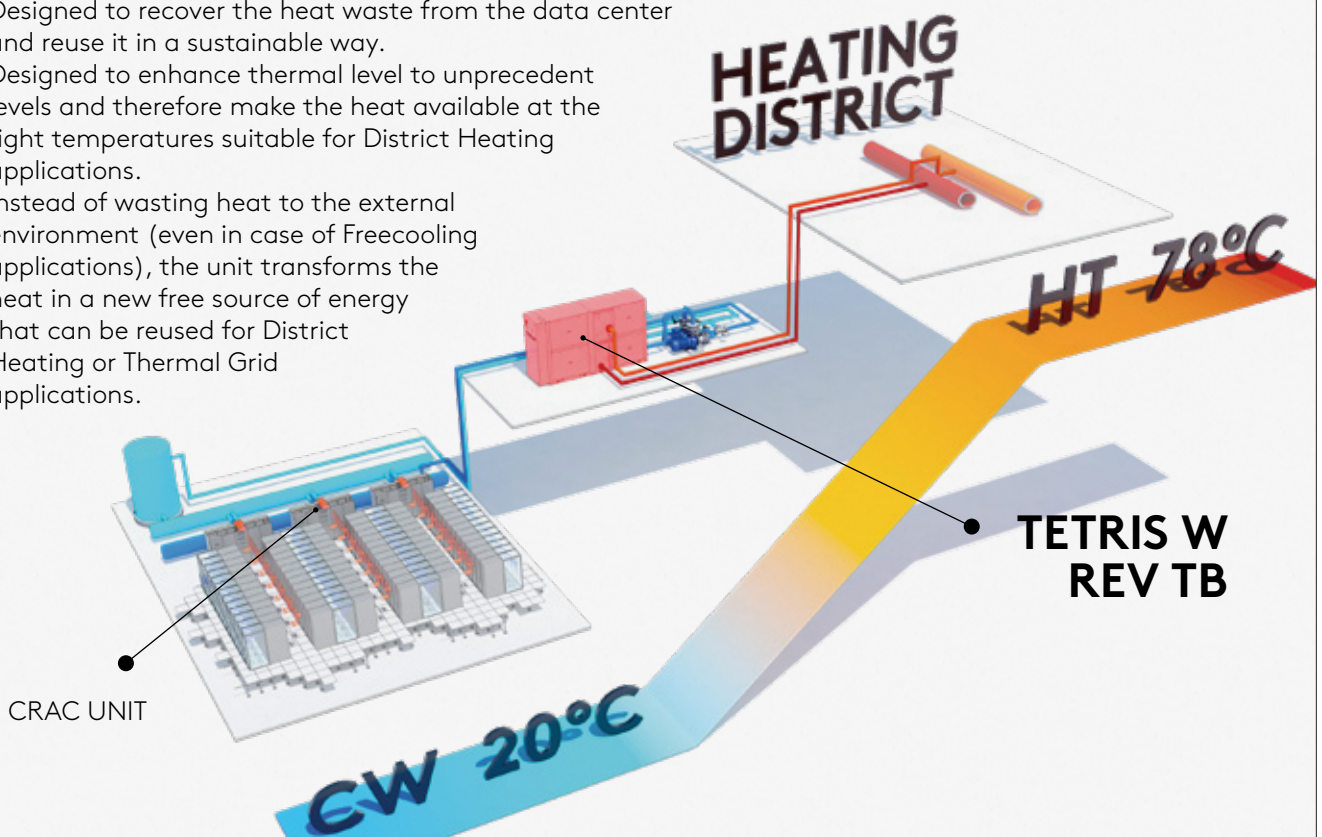
Get rid of Gas Boiler reducing CO2 emission and eliminating dangerous local pollution. Together with polyvalent units allow to recover energy inside the building, recovering energy and providing loads at several different levels allowing unbelievable energy saving and reducing energy consumption of the whole building.

IT COOLING APPLICATIONS

Designed to recover the heat waste from the data center and reuse it in a sustainable way.

Designed to enhance thermal level to unprecedented levels and therefore make the heat available at the right temperatures suitable for District Heating applications.

Instead of wasting heat to the external environment (even in case of Freecooling applications), the unit transforms the heat in a new free source of energy that can be reused for District Heating or Thermal Grid applications.

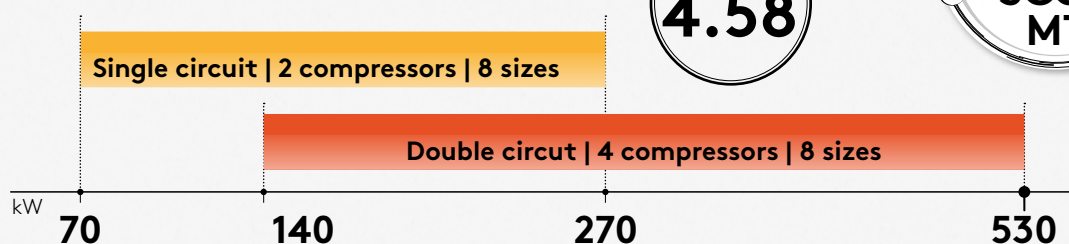


DOMESTIC HOT WATER

The unit can supply DHW with high efficiency given the installation of specific compressors and heat exchangers.

HOT
WATER
UP TO
80°C

CAPACITY RANGE EFFICIENCY*



User 70/78°C source 45/40°C - EN14511

*User-side heat exchanger water inlet/outlet temperature 47/55°C (SCOP MT), Average climate profile, with reference to regulation 2013 / 813 and norm EN14825.

EASY INSTALLATION

Tetris W Rev OH TB provides a lot of options and pumping configurations to suit every requirements.

This means:

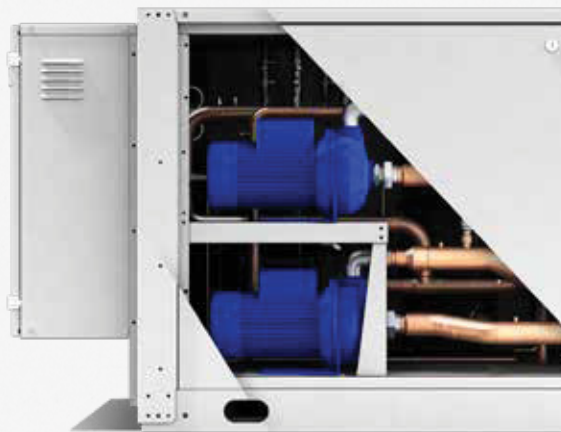
- **Less design time**
- **Quicker and less cost for installation team**
- **Reduced unit footprint**
- **Less connections for easier installation**



BUILT-IN HYDRAULIC MODULE

TETRIS W Rev OH TB can be fitted with different hydraulic modules:

- 1 or 2 pumps (source or user side)
- a check valve on the delivery side of each pump
- 1 or 2 pumps oversized (source or user side)



BOOSTERLINK



System Integration

- Optimal synergy between the Swegon units
- 3-way valve control of the TB source temperature
- A single-point of control and monitoring

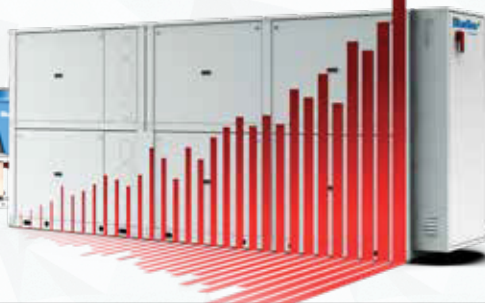
BOOSTERLINK



Swegon Heat Pump
@ medium temperature



Temperature Booster



BLUEYE CONNECT

REMOTE ACCESS TO UNIT

SAVE MONEY
FAST SERVICE

BLUEYE CLOUD

CLOUD RECORDING DATAPOINTS

PREDICTIVE MAINTENANCE
CUSTOMER REPORTING
ANALYSIS



FLOWZER



INVERTER-DRIVEN PUMPS CONTROL
MANAGEMENT FOR DIFFERENT SYSTEM
LAYOUTS



CONSTANT
FLOW

- Simpler site's settings to achieve a real constant flow



CONSTANT HEAD
PRESSURE

- The right pressure to the users in any condition



VARIABLE
FLOW

- Full control of one unique hydraulic loop
- Primary/Secondary Loop, the right solution for any layout



UP TO

-53%

compared to
nowadays common layout:
primary fixed + secondary variable

HYZER HYDRONIC OPTIMIZER

BLUETHINK solution to manage several units,
components and devices and build an
optimized System.

- **Advanced algorithms** to maximize system total efficiency
- **Less Opex** thanks to lower energy consumption
- **Flexible management** of multi units, variable water flow and external devices (drycoolers, cooling towers, boilers,..)
- **Real time** energy consumption to obtain advanced structured data analysis
- **Modular design** to perfectly suit any project requirements in terms of application, size and complexity



