



# Omega Sky

 R513A

 R134a

 HFO  
1234 ZE

BORIS YELTSIN PRESIDENTIAL CENTER  
Yekaterinburg - Russia  
OMEGA REV/HE 137.3 Supply 3,6 MW



High efficiency water cooled  
chillers and heat pumps.

**436÷1564 kW**







# OMEGA SKY ECODESIGN<sup>ed</sup>

## General

High efficiency water-source chillers.  
Screw compressors. Shell & tube heat exchangers.

## Configurations

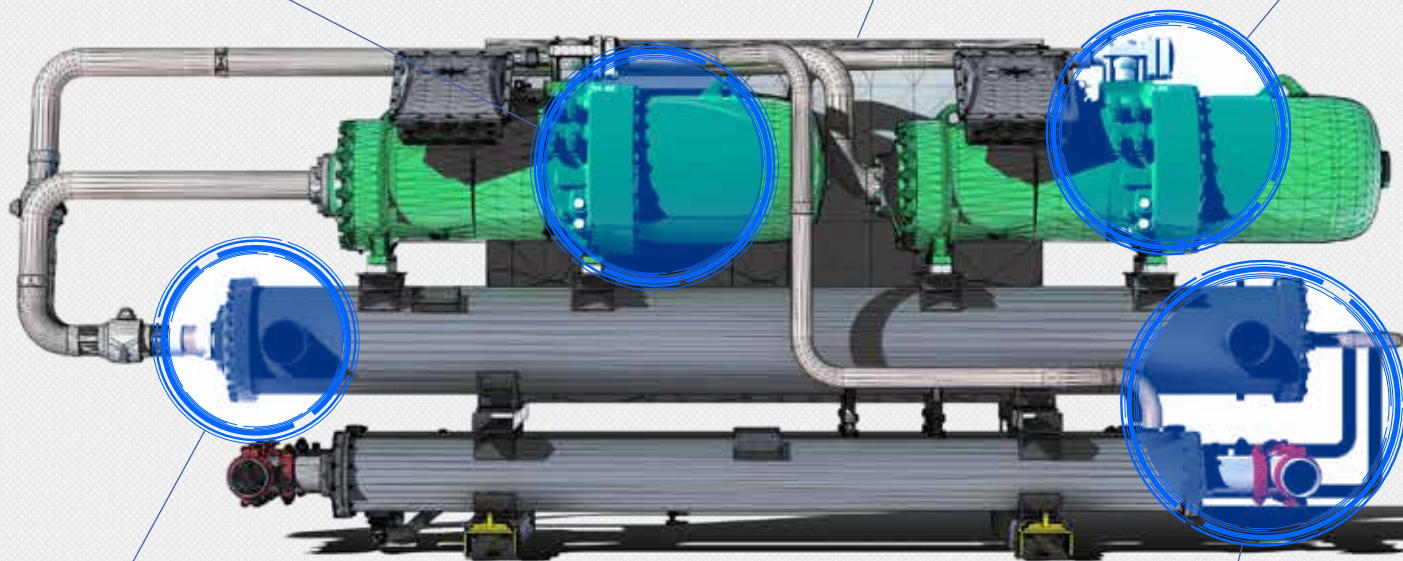
LN: low noise  
XLN: super low noise  
OH: heating-only heat pump  
HPW: reversible heat pump (water side)  
DC: total heat recovery  
LC: condenser-less execution for split system

## Bluethink advanced control

Web server  
Blueye supervision  
Multilogic function

**Environmentally  
friendly refrigerants:  
R513A default  
& LGW R1234ze**

**Highest performances  
on the market segment**



**High-efficiency dry evaporator**  
low charge, low pressure drop

**Plug & Play  
unit for easy  
indoor installation**



# ECODESIGN framework Directive (2009/125/EC)

ENERGY  
RELATED  
PRODUCTS

SEASONAL  
EFFICIENCY

SEER | SEPR | SCOP

- The **ECODESIGN Directive**, with its Regulations, sets new challenging standards for a more efficient use of energy
- For the European market, all chillers and heat pumps must comply with related seasonal efficiency targets
- **SEER SEPR HT - Regulation 2281/2016: chillers and large heat pumps; mandatory since January 1st, 2018**

**All OMEGA SKY models comply to tier 1 • SEER (LT, MT) and SEPR HT.**

Also heat pump versions are compliant to Ecodesign.

## COOLING | HIGH EFFICIENCY AT PART LOAD

Net value according to EN14511  
Condition: W30/35 W12/7

up to  
**5.4**



According to Regulation 2016/2281  
and norm EN 14825.  
SEER / ηsc reference: LT / low  
temperature condition, user-side  
temperature 12/7°C

up to  
**6.4**

According to Ecodesign  
Directive and Regulation  
2281/2016

up to  
**8.0**



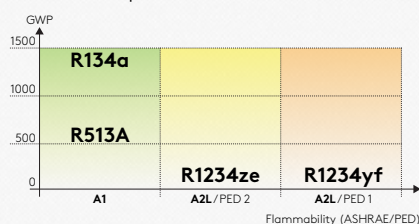
## LOW GWP



- Non flammable – category A1
- **Smart GWP 573\***
- Not subject to shortage or price hikes
- May be promoted by local incentive schemes
- R134a: option



- Category A2L, classified as PED group 2
- **Lowest GWP < 1\***
- Not subject to shortage or price hikes
- Totally exempted by local taxation/bans
- Best future-proof choice



Performances related to all three refrigerants are  
**certified by Eurovent.**

\* GWP (AR5) according to IPCC V time horizon 100 years.

## ENVIRONMENTALLY FRIENDLY HEATING

**2**

versions to satisfy different requirements  
**HEATING ONLY  
& REVERSIBLE**  
compressor optimized for heating



**Leaving  
water  
temperature  
up to**

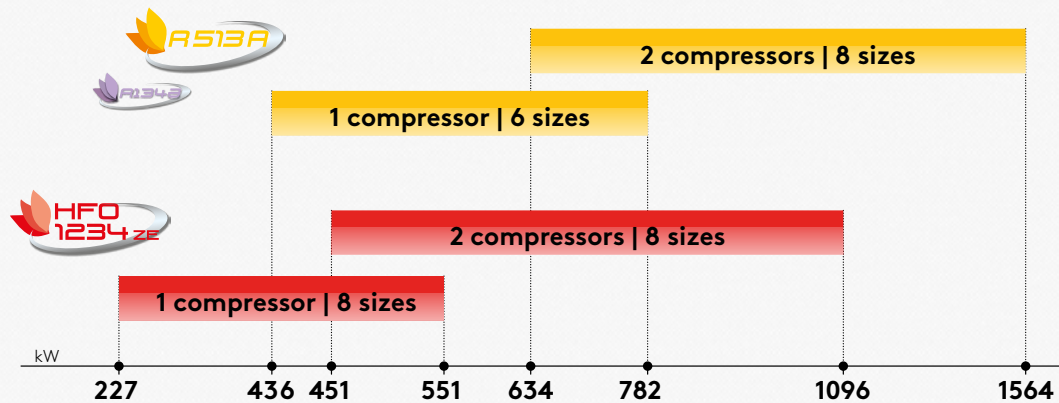
**65°C\***



**High performance heating  
coupled with  
LOW GWP refrigerants**

\* applies to OMEGA SKY LGW OH.

# CAPACITY RANGE



Cooling capacity: net value according to EN14511. Condition: source W30/35, user W12/7

## EASY ON SITE HANDLING

- Depth 900 mm for sizes up to 800 kW (single compressor)
- Simple piping
- All connections on one side, with optional water manifold for condensers (sizes .2) or fittings
- Flanged connections (option)
- Ability to manage external pumps (1 or 2; on user-, source-side or also recovery)
- Control of condensation via different options, according to source-side layout, also suitable for external inverter-driven pumps



## FREE COOLING APPLICATION

- Fully integrated management of all components by Bluethink
- Boost on yearly energy savings

### Water-cooled indoor chillers = unique solution by Blue Box

- Ideal for systems with year-round cooling load, e.g. industrial applications, data centers
- Indoor installation allows to comply with architectural constraints.
- Selection of dry cooler easily matches noise requirements.







BLUE ● ● ● ●  
● ● ● ● THINK  
control platform

## Integrated web server



**Unit ON**  
ON / OFF unit



**Mode**  
unit mode  
(heating, cooling)



**Unit**  
visual status of unit  
(circuits, compressors..)



**Alarms**  
alarm history



**Set points**  
operating set point



**Graphs**  
real time diagrams  
of main variables  
(temperatures, pressure..)



**Input/Output**  
status of inputs / outputs  
(digital and analogic)



**Multilogic**  
status of multiple  
units



**Tools**  
visual status of unit  
(circuits, compressors..)



**Logs**  
download and  
analyze unit data history



**Maintenance**  
service advanced log in



**Sign Out**

## M Multilogic function

**Management of multiple units of a system / hydraulic loop.**

- > Specific operational logics to satisfy different installation requirements
- > Maximized energy efficiency
- > Fully embedded in the control resources and factory-preset
- > Fast commissioning. Simple LAN connection between units. No external devices required.



## Blueeye

**Remote supervision via web by Blue Box.**

It offers, for one or more units / systems:

- > operation status monitoring
- > access to unit's settings and parameters
- > data recording via cloud, with options about data displaying, graphs, etc.
- > differentiated access profiles and privileges to ensure a safe and efficient interaction
- > also the status of system's additional components can be monitored, e.g. pumps, energy meters, valves



## Connectivity

**Default available**

- > Modbus over TCP/IP, Modbus RTU (RS-485)

**Options**

- > LonWorks Gateway
- > BACnet
- > SNMP Gateway
- > Hot Spot Wi-Fi

# Blue Box applied product range

find out the complete product range on our web site and catalogues



## Zeta Rev > 40÷240 kW

Chillers and reversible units. Extensive range, versatile applications.



## Zeta Rev HP XT > 40÷200 kW

Reversible heat pumps. Extreme heating envelope. Smart configuration options.



## Tetris 2 > 84÷913 kW

Modular chillers and reversible units for large commercial systems. Wide range; multiple combinations of high-efficiency, low-noise versions.



## Tetris W Rev > 32÷615 kW

Water-source chillers, with heating and reversible versions. Extensive range, versatile applications.



## Omega Sky Xi > 260÷970 kW

High efficiency water source chillers and heat pumps. Inverter-driven screw compressor.



## Kappa Rev > 296÷1983 kW

Modular air source chillers and reversible units.



## Kappa Sky > 260÷1360 kW

Modular air source chillers for large systems. Inverter-driven screw compressors.



## Omicron Rev S4 > 100÷860 kW

Modular multifunctional units for large 4-pipe systems. Smart configuration options.







# Tetris W Rev



CITIZENM HOTEL  
Paris - France  
TETRIS W Rev  
supply 350 kW



High efficiency water cooled  
chillers and heat pumps.

**32÷615 kW**



# THE BEST INDOOR SOLUTION FOR INSTALLATIONS

## General

TETRIS W REV is a complete range of highly energy efficient water-source chillers and heat pumps. Scroll compressors and plate heat exchangers.

## Configurations

STD: chiller  
OH: heating only heat pump  
HPW: heat pump, reversible on water side  
HP: heat pump, reversible on refrigerant side  
LC, LC/HP: units for split systems with remote source-side exchanger

**Plug & Play  
unit for easy  
indoor installation**

**Flowzer: Inverter pump  
control management**

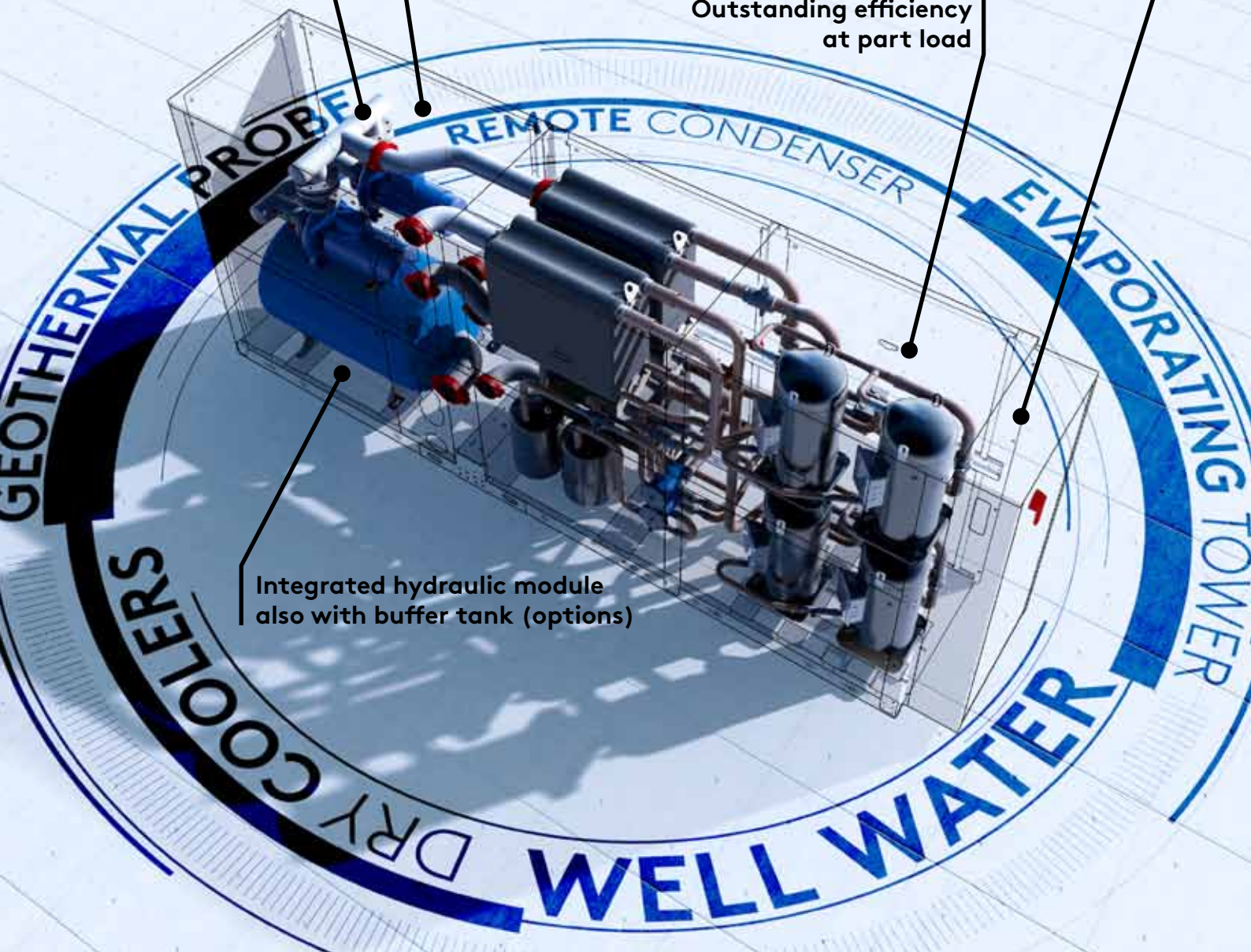
**Bluethink advanced control  
with integrated web server**

**Blueeye supervision  
system (option)**

**Multilogic function for  
multiple units' system (option)**

**Outstanding efficiency  
at part load**

**Integrated hydraulic module  
also with buffer tank (options)**





# ECODESIGN framework Directive (2009/125/EC)

ENERGY  
RELATED  
PRODUCTS

SEASONAL  
EFFICIENCY

SEER | SCOP

- The **ECODESIGN Directive**, with its Regulations, sets new challenging standards for a more efficient use of energy
- For the European market, all chillers and heat pumps must comply with related seasonal efficiency targets
- **SCOP-Regulation 813/2013: heat pumps with Pdesign <400 kW effective since 2015. Second tier from September 2017**

**All TETRIS W REV models (HP, HPW, OH) comply**

- **SEER - Regulation 2281/2016: chillers and large heat pumps; becomes mandatory on January 1st, 2018**

**All TETRIS W REV models comply**

## HEATING

### OH

High efficiency non reversible heat pump, optimized to operate in heating mode only.

### HPW

High efficiency heat pump, reversible on water side: designed for plant where user and source-side fluids can be exchanged each other.

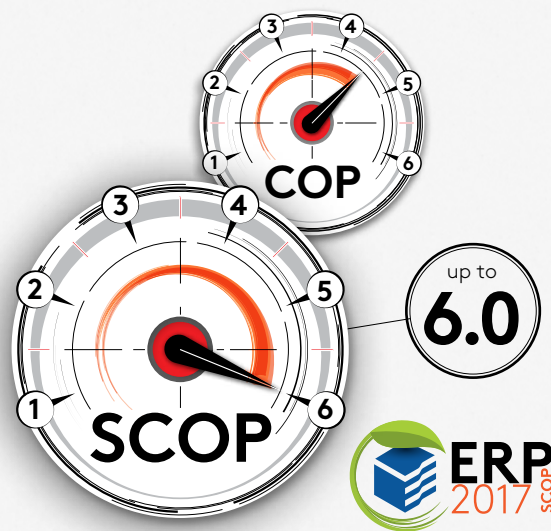
### HP

High efficiency heat pump, reversible on refrigerant side: guarantees the separation between user and source-side fluids.

### LC/HP

Reversible unit for split systems, with remote source-side exchanger: flexible use of space, smart selection of outdoor exchanger and its noise levels; no glycol on user side.

## THE FOUR SHAPES OF HEAT PUMP

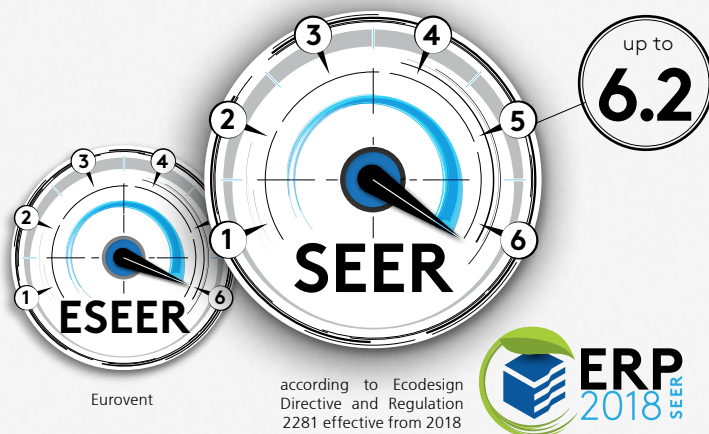


Values conform to EN 14511-3:2011

## COOLING

## HIGH EFFICIENCY AT PART LOAD

Tetris W Rev offers best-in-class efficiency at part load conditions. This leads to an outstanding reduction of the operational cost.



ENERGY **SAVING**

Tetris W Rev

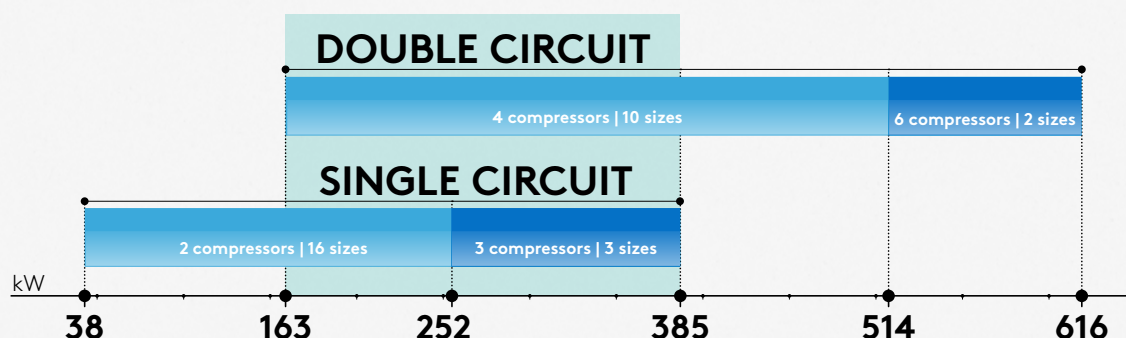
**VS**

Conventional water cooled chiller

average **-19%**

average reduction of annual energy consumption for comfort application, calculated according to part-load efficiency indexes

# CAPACITY RANGE



In the capacity range between 163 and 385kW, the customer can choose between dual circuit models, with the highest ESEER values, and single circuit units, which are more compact but still with top EER and COP levels.

Cooling: 30/35°C; water 12/7°C



## EASY<sub>INSTALLATION</sub>

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

Double circuit models always use twin circuit plate exchangers for the evaporator, condenser and heat recovery.

This means:

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

## BUILT-IN<sub>HYDRAULIC MODULE</sub>

TETRIS W Rev can be fitted with different hydraulic modules:

- 1 or 2 pumps
- Useful head: standard, oversized or for high glycol concentrations
- selectable for user-, source- or heat recovery sides
- Selectable integrated buffer tank for the user-side circuit







BLUE ● ● ● ●  
● ● ● ● THINK  
control platform

## Integrated web server main features



**Set point**  
operating set point



**Alarms**  
alarm history



**Unit**  
visual status of unit  
(circuits, compressors..)



**Input/Output**  
status of inputs / outputs  
(digital and analogic)



**Graphs**  
real time diagrams  
of main variables  
(temperatures, pressure..)

- > USB, RS485 and Ethernet ports as standard
- > Recording of unit parameters one month long



### MULTILOGIC FUNCTION

**Management of multiple units of a system / hydraulic loop.**

- > Specific operational logics to satisfy different installation requirements
- > Maximized energy efficiency
- > Feature fully embedded in the control resources and factory-preset
- > Fast commissioning. Simple LAN connection between units. No external devices required.



### BLUEYE

**Remote supervision via web by Blue Box.**

It offers, for one or more units / systems:

- > operation status monitoring
- > access to unit's settings and parameters
- > data recording via cloud, with options about data displaying, graphs, etc.
- > differentiated access profiles and privileges to ensure a safe and efficient interaction
- > also the status of system's additional components can be monitored, e.g. pumps, energy meters, valves



## FLOWZER

HYDRAULIC MANAGEMENT OPTIONS  
BASED ON INVERTER-DRIVEN PUMPS

The new family of scalable options associated to the wide range of built-in pump modules.

For each application layout, FLOWZER offers the best-fitting solution about the water distribution to the system:

- Pumping energy saving; minimized operational cost
- No external devices required.

#### > Flowzer VP

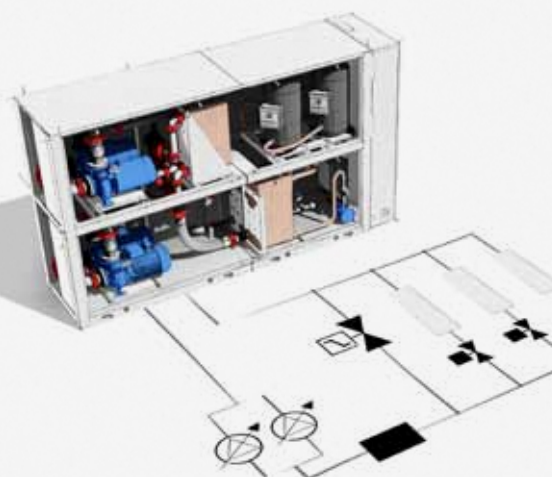
Operation at fixed speed setpoint

#### > Flowzer VD

Management of constant  $\Delta P$

#### > Flowzer VPS

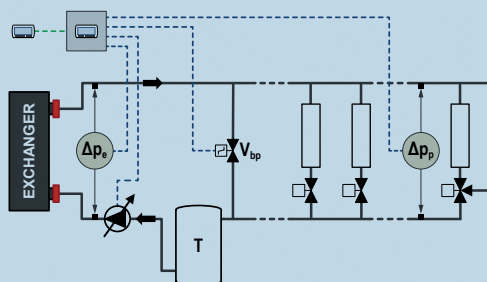
Management of constant  $\Delta T$  on Primary/Secondary pump circuit



#### > Flowzer VFPP

Management of constant  $\Delta T$  on primary pump circuit

Simplified system's circuit, as additional external pumps of secondary circuit are not required.



**up to -80%**  
pumping energy consumption\*

\*Based on 4000 hours of operation in cooling mode (0,15 €/kWh).

# Blue Box applied product range

find out the complete product range on our web site and catalogues



## Zeta Rev > 40÷240 kW

Chillers and reversible units. Extensive range, versatile applications.



## XT



## Zeta Rev HP XT > 40÷200 kW

Reversible heat pumps. Extreme heating envelope. Smart configuration options.



## Beta Rev > 40÷240 kW

Chillers and reversible units for indoor installation. Extensive range, also with self-adaptive high-efficiency fans.



## Tetris 2 > 84÷913 kW

Modular chillers and reversible units for large commercial systems. Wide range; multiple combinations of high-efficiency, low-noise versions.



## Kappa Rev > 296÷1983 kW

Modular chillers and reversible units for large commercial systems. Wide range and versions available.



## Omega Rev > 143÷1569 kW

Water-source chillers, with heating- and reversible versions. Wide range for large commercial systems.



## Omicron Rev S4 > 100÷860 kW

Modular multifunctional units for large 4-pipe systems. Smart configuration options.



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Phone +39 0426 921111 - Fax +39 0426 302222





# Kappa Rev



DÜRR SYSTEMS GMBH (Automotive Industry)  
Bietigheim - Germany  
KAPPA REV HEI 55.2 ST2PS LN  
supply 550 kW



Air cooled modular screw  
chillers and heat pumps  
cooling **286÷1983** kW



# REVOLUTION CARRIES ON

**FLOWZER**  
INVERTER DRIVEN  
PUMP MANAGEMENT

**VPS-VFPP**

BLUETHINK-BASED SOLUTIONS  
VARIABLE FLOW  
SMART OPTIONS FOR BOTH  
REFURBISHMENTS AND NEW SYSTEMS

SMART REFRIGERANT  
OPTIONS  
**LOW CHARGE**

**BLUETHINK**  
ADVANCED CONTROL  
INTEGRATED  
**WEB SERVER**

SUPPLY  
UP TO **2 MW**

**BLUEYE** REMOTE  
SUPERVISION

**ESEER**  
UP TO  
**5,1**

**EXTENDED**  
OPERATING LIMITS

**MULTILOGIC**  
MULTIPLE UNITS' SYSTEM

## General

Modular chillers and reversible units for large systems. Wide range: high efficiency multiple combinations and low noise versions. Screw compressors, also with integrated inverter for selected models.

## Configurations

HE: high efficiency unit

HEi: with hybrid compressors

XEi: with full inverter compressors

HP: reversible heat pump

/HAT: for high external air temperature

/HWT: for production of high temperature water

SLN: super low noise unit

/LN: low noise

/DS: with desuperheater

/DC: with total recovery





# ECODESIGN framework Directive (2009/125/EC)

ENERGY  
RELATED  
PRODUCTS

SEASONAL  
EFFICIENCY

SEER | SEPR | SCOP

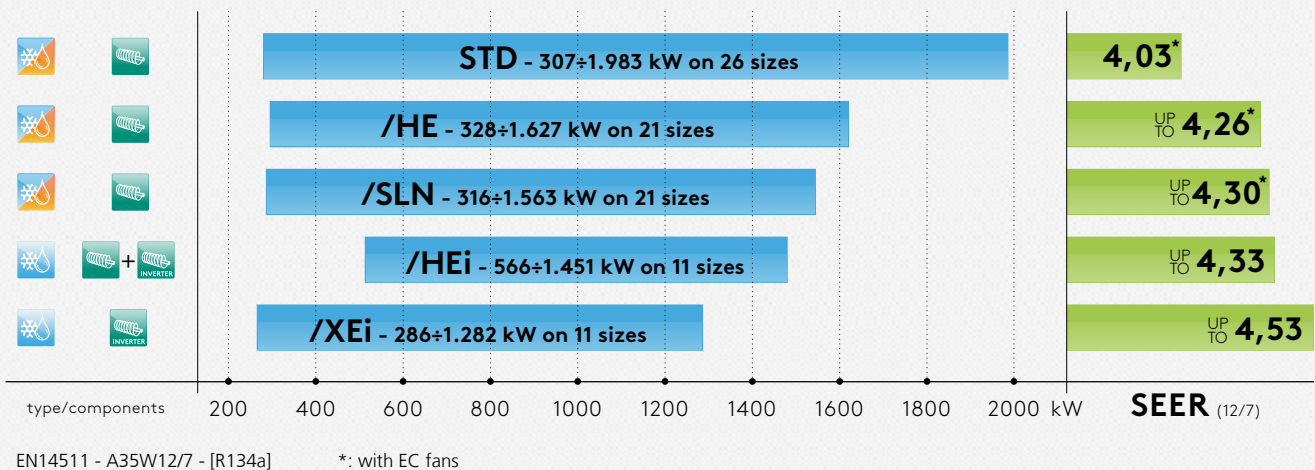
- The **ECODESIGN Directive**, with its Regulations, sets new challenging standards for a more efficient use of energy
- For the European market, all chillers and heat pumps must comply with related seasonal efficiency targets
- **SEER SEPR - Regulation 2281/2016: chillers and large heat pumps. Mandatory since January 1st, 2018: tier 1.**

All chillers comply to **SEPR HT** and **SEER MT**.

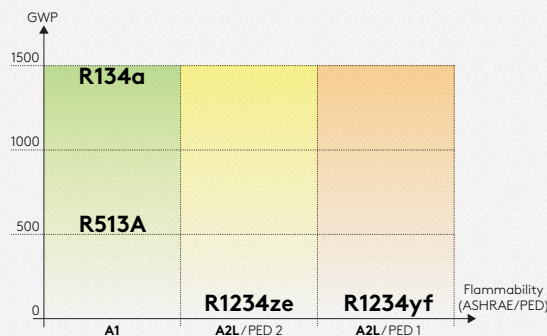
All chillers (except base version) are also compliant to **SEER LT**.

Heat pumps can achieve compliance to applicable Ecodesign regulations, depending on sizes/versions.

## CAPACITY RANGE | EFFICIENCY



LOW GWP



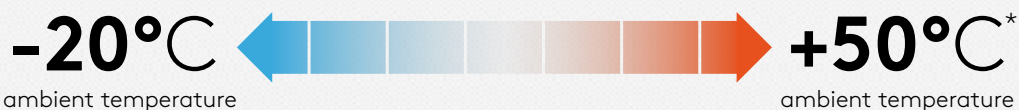
- non-flammable (A1 according to ASHRAE classification) and non-toxic
- low environmental impact with GWP=573 (\*)
- as a novel substitute for R134a, R513A is not subject to shortage or price hikes
- R513A offers a smart & future-proof approach to systems designed for low refrigerant charge

(\*) GWP (AR5) according to IPCC V time horizon 100 years; GWP (AR4) = 631

All **KAPPA REV** chillers are available with **R513A** or **R134a**.  
All models are **EUROVENT** certified.



## EXTENDED OPERATING LIMITS



\*: Limits depend on model / version. For ambient temperature above 46°C, HAT option is required, allowing to extend operation up to 52°C. Ambient temperatures up to indicatively 55°C can be reached with dedicated setup.

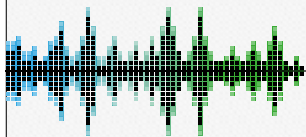
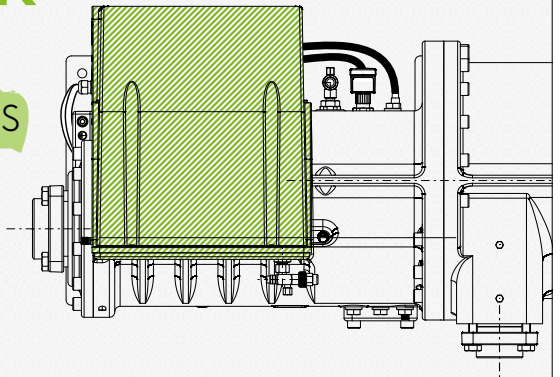
# INTEGRATED INVERTER SCREW COMPRESSOR

HEI HYBRID • XEi FULL VERSIONS

COMPARED TO  
STEPLESS SCREW  
COMPRESSOR  
UNITS

CLOSER CONTROL  
OF WATER TEMPERATURE

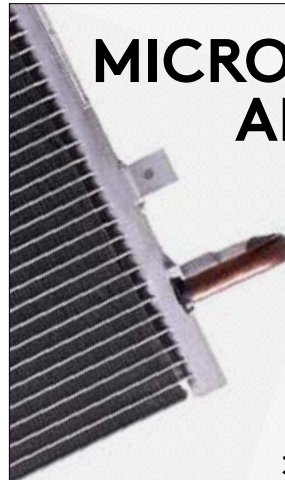
YEARLY  
ENERGY  
SAVING ► **-12,5%**



## NIGHT SHIFT FUNCTION

The unit (HE or SLN) can operate in high efficiency mode or super low noise mode according to day time setting.

**up to 3 dB(A)**  
of sound power reduction



## MICROCHANNEL ALUMINIUM COIL

Kappa Rev chillers  
use this new generation  
of condensing coil  
as standard.

**30% LESS REFRIGERANT**  
**10% OVERALL CHILLER WEIGHT REDUCTION**  
**LESS AIR SIDE PRESSURE DROP**

## SMART ANTI-ICE CIRCUIT

REVERSIBLE HEAT  
PUMP VERSIONS

The defrost cycle can be a critical condition:  
KAPPA REV features the **Smart Anti-Ice Circuit**, to  
avoid ice forming on the bottom part of exchanger: the  
function is efficiently activated according to air tem-  
perature - only when necessary.



## EC AXIAL FANS | ELECTRONICALLY COMMUTATED BRUSHLESS MOTOR AS OPTION



### STANDARD

**15%** ENERGY SAVING PER FAN  
**3.000 €/y\*** SAVING

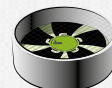
( \*unit with 12 fans; operating  
8700 hours/year; 0,10 €/kWh )



### OVERSIZE

FURTHER  
ENERGY SAVING

**+ 100 Pa**  
AVAILABLE PRESSURE PER FAN



### PRESSURE RECUPERATOR

**+ 50 Pa**  
AVAILABLE PRESSURE PER FAN  
COMPARED TO OVERSIZED FANS

UP TO **3dB(A)**  
OF UNIT NOISE REDUCTION



# BLUE ● ● ● ● ● ● ● ● THINK

Monitoring, performance reports, full management.  
Blue Box control platform allows a total access to the machine from any device, in complete autonomy.

## Integrated web server

- SET POINT**  
operating set point
- MODE**  
unit mode (heating, cooling)
- UNIT**  
visual status of unit (circuits, compressors..)
- GRAPHS**  
real time diagrams of main variables (temperatures, pressure..)
- INPUT/OUTPUT**  
status of inputs / outputs (digital and analogic)
- MULTILOGIC**  
management of multiple units
- LOGS**  
download and analyze unit data history

## 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

### VPS

**PLUG & PLAY** VARIABLE FLOW  
MANAGEMENT REDUCES YOUR OPEX  
SAVING UP TO 55% OF PUMPING ENERGY

Dedicated controller and algorithm to manage inverter pumps on Primary + Secondary systems.

### VFPP

**FULLY** VARIABLE FLOW  
MANAGEMENT  
REDUCES OPEX & CAPEX

Dedicated controller and algorithm to manage inverter pumps on system with Primary Circuit only.

UP TO

# -53%

**PUMPING CONSUMPTION\***  
compared to nowadays common layout:  
primary fixed + secondary variable

\*Yearly saving based on Ecodesign's SEER and SCOP profiles (Average climate), comfort application.

# Blue Box applied product range

find out the complete product range on our web site and catalogues



## Zeta Rev > 40÷240 kW

Reversible heat pumps. Extreme heating envelope. Smart configuration options.



## Zeta Rev HP XT > 40÷200 kW

Reversible heat pumps. Extreme heating envelope. Smart configuration options.



## Beta Rev > 40÷240 kW

Chillers and reversible units for indoor installation. Extensive range, also with self-adaptive high-efficiency fans.



## Tetris 2 > 84÷913 kW

Modular chillers and reversible units for large commercial systems. Wide range; multiple combinations of high-efficiency, low-noise versions.



## Tetris W Rev > 32÷615 kW

Water-source chillers, with heating and reversible versions. Extensive range, versatile applications.



## Omega Sky > 444÷1589 kW

Water-source chillers with heat pump reversible versions for indoor installations.



## Omicron Rev S4 > 100÷860 kW

Modular multifunctional units for large 4-pipe systems. Smart configuration options.



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# Tetris 2



FACTORY HOTEL  
Münster - Germany



Air cooled modular  
chillers and heat pumps  
cooling **84÷913** kW



# SAVING & PERFORMANCE

AT REAL CONDITION YEAR-ROUND

## General

The generation of energy efficient, highly configurable modular chillers and reversible units with scroll compressors, created to meet the needs of commercial and industrial sectors.

## Configurations

A and A+: High efficiency units  
LN: Low noise unit  
SLN: Super Low noise unit

HP: Reversible heat pump  
DS: Partial heat recovery  
DC: Total heat recovery

**Night Shift System**  
operating as high efficiency or super  
low noise mode according to daytime

**Eco-Friendly**  
Low refrigerant charge

**Multilogic function for  
multiple units' system (option)**

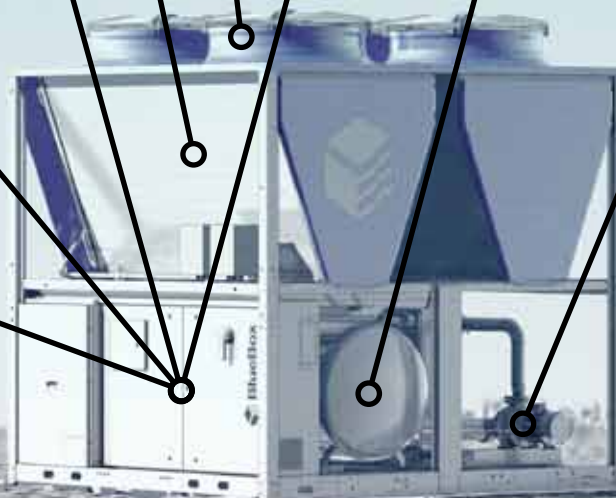
**Blueye supervision  
system (option)**

**Bluethink advanced  
control with integrated  
web server**

**Extended  
operation limits  
in heating**

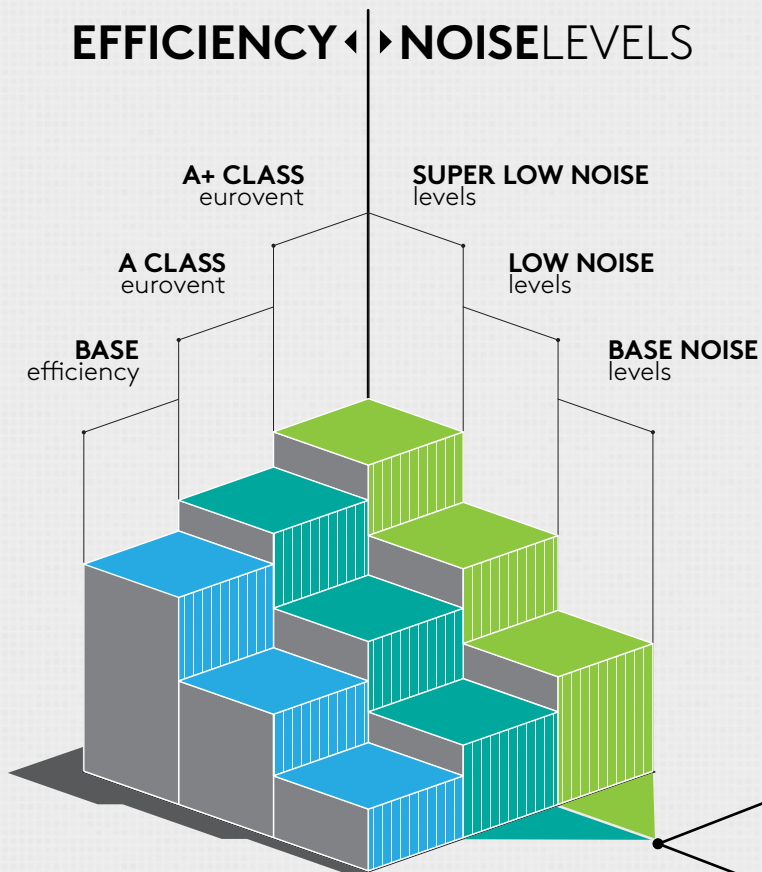
**Integrated hydraulic modules  
also with a buffer tank**

**Flowzer: Inverter pump  
control management  
Flowzer VFPP: variable  
flow primary pump**





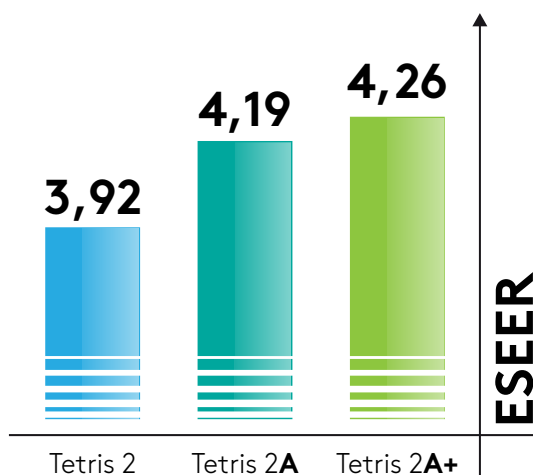
# OPTIMIZED EFFICIENCY & NOISE REDUCTION



High efficiency units available compliant to  
**Regulation 2016/2281-SEER tier1 2018.**

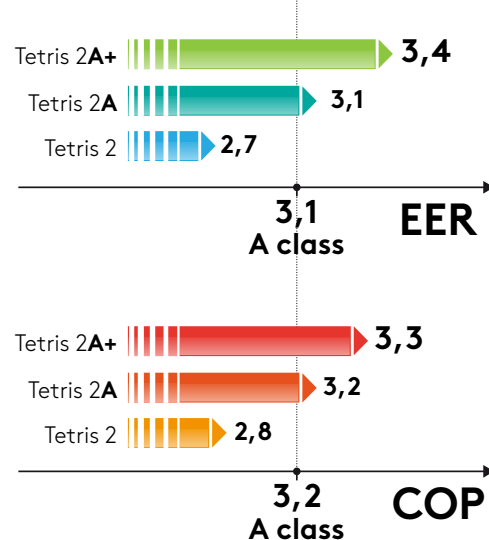
Reversible units compliant to  
**Regulation 813/2013-SCOP**  
(whereas applicable).

## HIGH EFFICIENCY AT PART LOAD (average values)



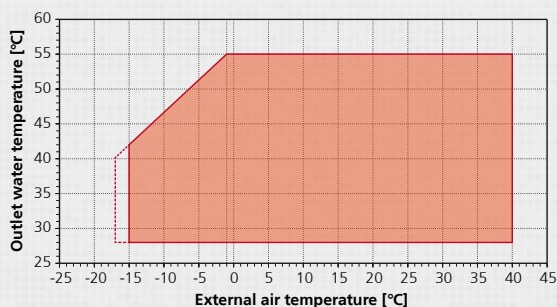
Net values conforming to EN 14511 at nominal conditions.

## A CLASS FOR BOTH HEATING & COOLING (average values)



# HEATING

## OPERATING LIMITS

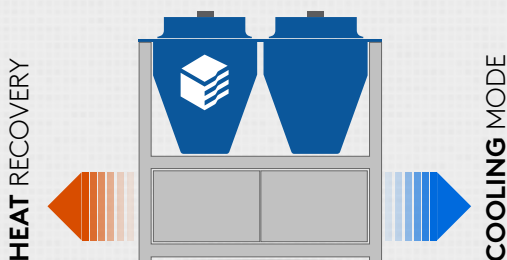


**55°C** at **-1°C**

**FULL LOAD** down to **-15°C**

down to **-17°C** **PART LOAD**

## HEAT RECOVERY

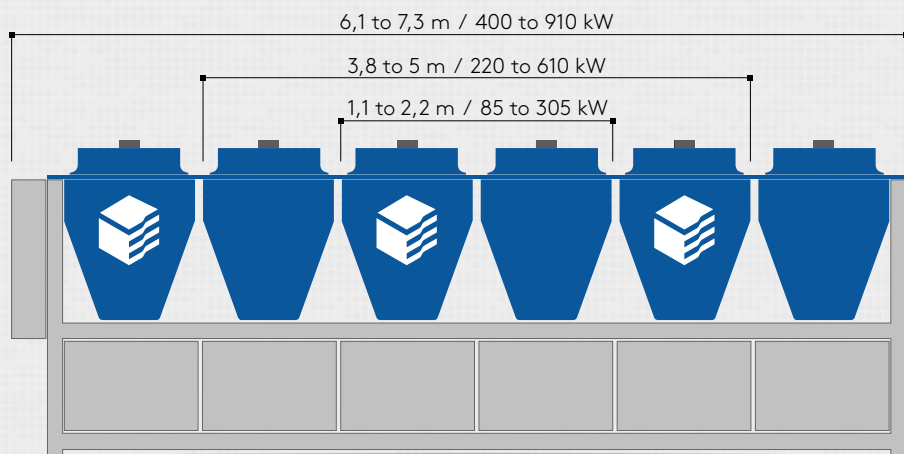


## ENERGY RECOVERY

UP TO 100% RECOVERY IN COOLING MODE

## COMPACTNESS

► best solution for replacement projects



AVERAGE  
**1,3 m**  
**less**  
THAN  
TYPICAL  
COMPETITORS

## MICROCHANNEL ALUMINIUM COIL

**Tetris** units  
use this new generation  
of condensing coil  
as standard.

**30% LESS REFRIGERANT**  
**10% OVERALL CHILLER WEIGHT REDUCTION**  
**LESS AIR SIDE PRESSURE DROP**

## EC AXIAL FANS



EC axial fans with electronically commutated brushless motor as option.

**15%** energy saving per fan  
**2.000\*** €/y saving

(\*unit with 8 fans; operating 8700 hours/year; 0,10 €/kWh)





BLUE ● ● ● ●  
● ● ● ● THINK  
control platform

## Integrated web server main features



**Set point**  
operating set point



**Alarms**  
alarm history



**Unit**  
visual status of unit  
(circuits, compressors..)



**Input/Output**  
status of inputs / outputs  
(digital and analogic)



**Graphs**  
real time diagrams  
of main variables  
(temperatures, pressure..)

- > USB, RS485 and Ethernet ports as standard
- > Recording of unit parameters one month long



### MULTILOGIC FUNCTION

**Management of multiple units of a system / hydraulic loop.**

- > Specific operational logics to satisfy different installation requirements
- > Maximized energy efficiency
- > Feature fully embedded in the control resources and factory-preset
- > Fast commissioning. Simple LAN connection between units. No external devices required.



### BLUEYE

**Remote supervision via web by Blue Box.**

It offers, for one or more units / systems:

- > operation status monitoring
- > access to unit's settings and parameters
- > data recording via cloud, with options about data displaying, graphs, etc.
- > differentiated access profiles and privileges to ensure a safe and efficient interaction
- > also the status of system's additional components can be monitored, e.g. pumps, energy meters, valves



## FLOWZER

HYDRAULIC MANAGEMENT OPTIONS  
BASED ON INVERTER-DRIVEN PUMPS

The new family of scalable options associated to the wide range of built-in pump modules.

For each application layout, FLOWZER offers the best-fitting solution about the water distribution to the system:

- Pumping energy saving; minimized operational cost
- No external devices required.

#### > Flowzer VP

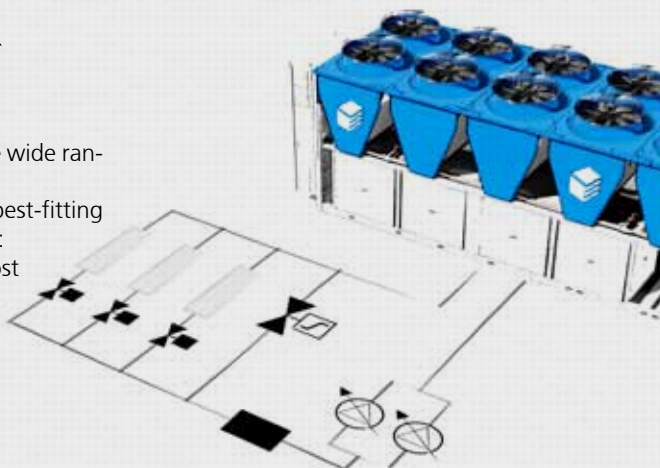
Operation at fixed speed setpoint

#### > Flowzer VD

Management of constant  $\Delta P$

#### > Flowzer VPS

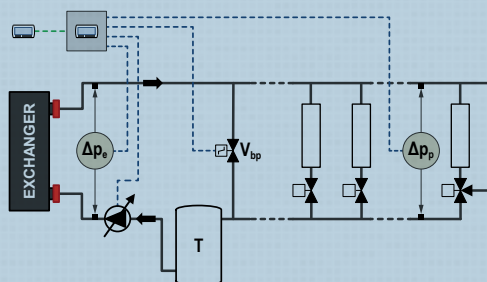
Management of constant  $\Delta T$  on Primary/Secondary pump circuit



#### > Flowzer VFPP

Management of constant  $\Delta T$  on primary pump circuit

Simplified system's circuit, as additional external pumps of secondary circuit are not required.



**up to -80%**  
pumping energy consumption\*

\*Based on 4000 hours of operation in cooling mode (0,15 €/kWh). With Tetris 2, additional saving achieved for year-round operation in heating.

# Blue Box applied product range

find out the complete product range on our web site and catalogues



## Epsilon Echos series > 6÷44 kW



High efficiency air cooled chillers and heat pumps.



## Zeta Rev > 40÷240 kW



## Beta Rev > 40÷240 kW



High efficiency air cooled chillers and heat pumps.



## Kappa Rev series > 296÷1983 kW



High efficiency air cooled modular chillers and heat pumps.



## Tetris W Rev series > 32÷615 kW



High efficiency water cooled chillers and heat pumps.



## Omega Rev series > 143÷1569 kW



Water-cooled chillers and heat pumps.



## Omicron Rev S4 > 100÷860 kW



Multi-functional units for 4-pipe systems



A Swegon Group company

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