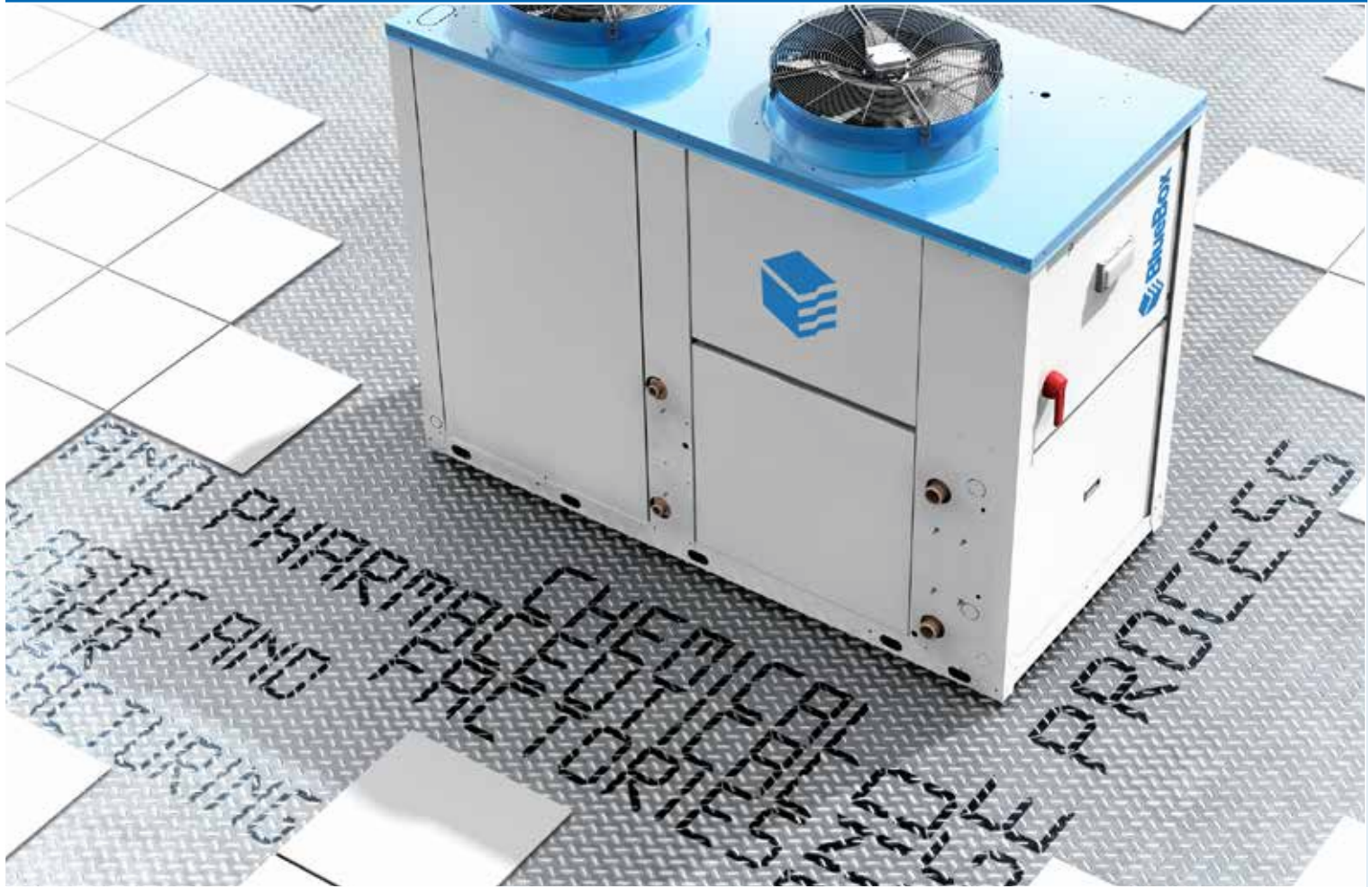


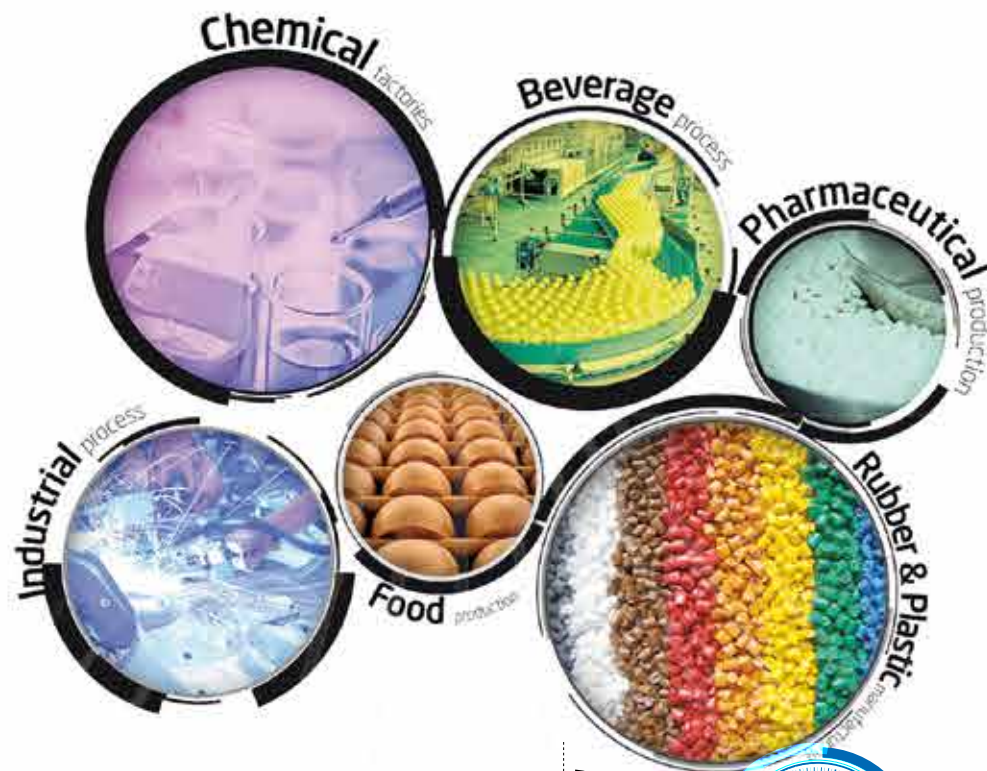


Zeta Rev INDUSTRIAL A410A



High efficiency air source
chillers
cooling **50÷200 kW**





General

High energy efficiency, water chillers with scroll compressors for industrial applications. Wide operating envelope and broad selection of options makes it suitable for various industrial process cooling applications such as food, drink, dairy, pharmaceutical, chemical, plastics, automotive, aerospace, electronics and many more....

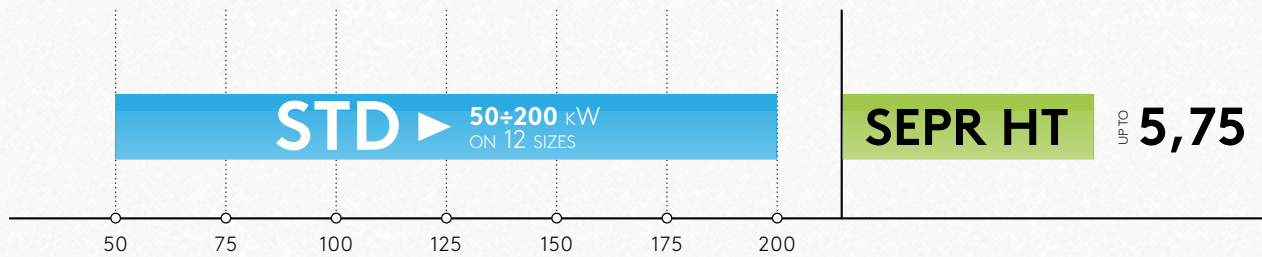
Configurations

DS: partial heat recovery
LN: low noise

Features and benefits

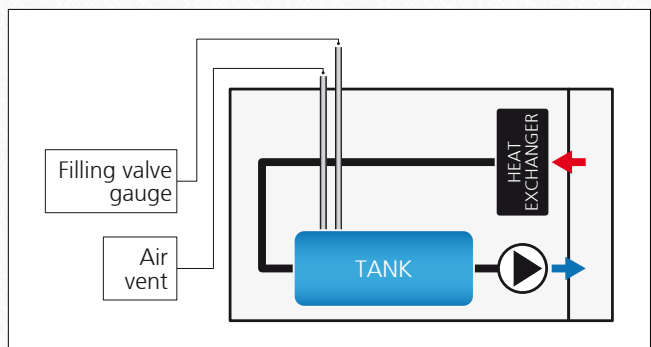
- ▶ New micro-channel coils use 30% less refrigerant
- ▶ Bluethink advanced programmable control always available as option
- ▶ Web based service portal for alarms and condition monitoring
- ▶ Multilogic, for the system management of multiple chillers available with Bluethink advanced control
- ▶ 3bar pump configuration and buffer tank to suit various requirements
- ▶ Pumps and compressors of primary suppliers for peace of mind operative reliability

CAPACITY RANGE | EFFICIENCY



EN14511 - Air 32 / Water 15 / 10
SEPR HT value refers to EN14825-REG 2016 / 2281

INDUSTRIAL KIT



- Thermal storage vessel on supply-side
- High head pressure pump and expansion vessel on board
- **FILLING KIT**, allowing easy filling of the system thanks to:
 - 1" Fill point
 - 1/2" air vent valve
 - Water pressure gauge

FREECOOLING MANAGEMENT*

Embedded as standard on all Zeta Rev units is the ability to operate and manage a separate remote free cooler.

By taking advantage of low ambient conditions it is possible to make large energy savings typically with paybacks of less than 2 years.



*: all advanced functions and freecooling management require the Advanced Control option

HYDRAULIC MODULE

A wide range of options allow to configure the chiller to suit various industrial application. Pump's useful head with buffer tank available integrated as standard in the unit.

OVERSIZED ▶ av. **3 bars**

Buffer vessels are generously sized to ensure reliable operation of the system and provide adequate temperature stability which is important for many processes.



MICROCHANNEL ALUMINIUM COIL

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

30% LESS REFRIGERANT
10% OVERALL CHILLER WEIGHT REDUCTION
LESS AIR SIDE PRESSURE DROP
E-COATING FOR CORROSION RESISTANCE*
3 YEARS WARRANTY*

*: 3 years warranty available as optional with the E-coating treatment

EC AXIAL FANS

ELECTRONICALLY COMMUTATED
BRUSHLESS MOTOR **AS OPTION**



STANDARD

15% ENERGY SAVING PER FAN
1.000 €/y* SAVING
(*2 unit with 3 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

VP ADJUSTABLE PUMP SPEED

Flowzer VP is able to manage two different speeds of the pump automatically compensating the pressure drops and the water coil. Solution that replaces the 2 ways regulating valve.

VD CONSTANT DELTA P CONTROL INVERTER PUMP

Flowzer VD adds to VP two transducers to install at the user side. Solution suitable for a specific hydraulic layout where it is necessary to ensure that each terminal is working with the right pressure.

VDE CONSTANT WATER FLOW CONTROL INVERTER PUMP

VDE adds to VP a differential transducer installed at the heat exchanger. the unit maintains water flow constant at the heat exchanger in every condition.

Available as options; all Flowzer versions require the Advanced Control option

Blue Box technological product range

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



Zeta Rev HE FC > 46÷152 kW

Free-cooling chillers. High seasonal efficiency. Independent free-cooling section. No-glycole option.



Zeta Rev HEi FC > 36÷96 kW

Free-cooling chillers with inverter compressor. High seasonal efficiency. Independent free-cooling section. No-glycole option.



Tetris 2 FC > 122÷518 kW

Modular free-cooling chillers for large systems. Multiple combinations of high-efficiency, low-noise versions. Selectable independent free-cooling module.



Kappa Sky FC > 285÷885 kW

Modular free-cooling chillers for large systems. Inverter compressors with variable Vi ratio. High seasonal efficiency. Selectable independent free-cooling module. No glycole option.



Kappa Rev FC > 353÷1291 kW

Modular free-cooling chillers for large systems. Multiple combinations of high efficiency, low noise versions. Selectable independent free-cooling module.



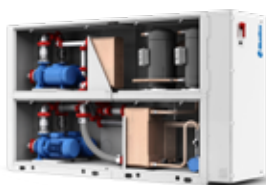
Kappa Rev .Ei FC > 322÷1242 kW

Modular free-cooling chillers with inverter compressors for large systems. Selectable independent free-cooling module.



Kappa V Evo FC > 325÷1178 kW

Compact free-cooling chillers for large systems.



Tetris W Rev FC/NG > 39÷640 kW

Water-source free-cooling chillers for no-glycole applications. Fully integrated management.

