PROMONT
TECHNIKA POWIETRZA

PRODUCTION TAILORED TO YOUR NEEDS

1988 30 2018
lat / years

PWPO-T PROMONT Spółka z o.o.

Our mission:

By responding flexibly to customers' needs we undertake even those orders that others will not consider, by executing them with the highest quality from consulting to installation at the customer's site.

Our Values

Quality, flexibility, innovation, efficiency, accountability, respect and trust.

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WHO WE ARE

PROMONT is a Polish company which, due to the quality of its products and services, not only wants to meet the requirements of the European market but also to promote the region of Lower Silesia. We are open to cooperation with both domestic and foreign companies striving to increase the range of production by shaping friendly prices for customers.

In order to achieve diversity in the range and good results in the quality of production, we allocate a considerable amounts of funds for investments increasing the execution possibilities and expanding the production areas every year.

WHAT WE DO

The company's business is based on four pillars:

- Design, manufacture, assembly and servicing of industrial ventilation and AIR CONDITIONING systems
- Design, manufacture and sale of heat exchangers
- PRO-FITT - enclosures and enclosures for industry, OEM, professional sheet metal processing
- Machining

HOW WE START

PROMONT began operating in the market in 1988. The company was established as an independent design studio, supporting companies in finding unusual solutions in the field of air technology, which were dedicated to mines, paper mills, industrial enterprises and service companies. In 1994, we purchased the first machines and started to produce our own equipment. Since then, we have also started to develop in the metalworking industry by offering advanced "tailor-made" housings. In 2002, the world heard about our products. Right from the outset, we have been working closely with the Wrocław University of Technology in order to offer our customers the most modern technical and executive solutions.

SOCIAL RESPONSIBILITY

Promont is continually investing in human resources, environmental protection and the local community.

We support both the sports and educational activities of our city.

We provide social protection for our employees and their families.

HOW DO WE DEVELOP

PROMONT perceives its development through innovation. Our design department, as the most important part of the company, is constantly working to introduce new products and improve existing ones. Parallel investments in the latest technological solutions allow us to maintain our machine park at the European level. Hence, we manufacture the highest quality products fully tailored to the needs of our customers.

OUR COMPANY IN THE EYES OF OTHERS

Certificates:
- Quality management system: PN-EN ISO 9001:2015
- Welding ISO: PN-EN ISO 3834-2
- Forbes Diamonds
- Business Gazelles
- Employer of the year

Attestations:
- Hygienic attestation - lamellar heat exchangers
- Hygienic attestation - ventilating units/air conditioning units

TÜVRheinland CERTIFIED ISO 9001:2015 www.tuv.com ID 9105051554

ISO SPAWALNICZE

PN-EN ISO 3834-2

OUR PLANT IS PREPARED FOR PROCESSING:
- ARBON STEEL SHEETS, - ALUMINIUM SHEETS
- STAINLESS STEEL SHEETS

Quality and customer satisfaction are of the utmost importance to us. We understand that full control of the production process is the key to achieve this. Since the very beginning, we have been investing in state-of-the-art machines that extend our production capacity, eliminate unnecessary costs and guarantee the highest quality.

WE HAVE ONE OF THE MOST MODERN MACHINERY PARKS, WHICH CONSISTS OF:

1. Sheet metal work machines:
- ADIGE Laser for cutting profiles and pipes
- TRUMPF 3D cutting and welding laser
- 5 TRUMPF lasers
- 2 TRUMPF combined cutting and punching machines from
- 5 TRUMPF bending presses
- 2 hydraulic presses
- 1 mechanical press

plus many others, such as: corner moulding machine, rolling mill, bending machine.

2. Machining machines:
- Milling machines, including: 5-axis machining centre, gantry milling machine
- Automatic and conventional lathes
- Automatic turning machines for turning operating in 11 axes
- Measurement laboratory
- Balancing machine

3. Welding, surface preparation and painting:
- Welding - 20 MIG, MAG, TIG positions
- Surface preparation - edge rounding machine, shot blasting and shot peening chamber.
- Painting - fully automatic powder coating line and wet painting cabin
- Screen printing

3D LASERS


AUTOMATIC PAINT ROOM


MILLING PLANER

We'll create a design for you. No compromise.

For many years, we have been supplying products that are characterised by durability, stability and safety of use. Our experience allows us to use our equipment in many branches of the food industry.

We shape the climate in:
- residential rooms and public utilities rooms
- industrial rooms:
  - mushroom (mushrooms, bacon, shitake) cultivation rooms
  - pigs and poultry farming rooms
  - milk processing rooms
  - rooms for the manufacture of confectionery and chips
  - storage rooms

The products manufactured by Promont include:
- fan liquid coolers
- evaporators for chilled counters
- frame radiators and water heaters
- steam heaters
- lamellar heat exchangers
- radiator heat pumps
- air conditioning units
- AGW type heating and ventilation units (intended for poultry farms and pig farms)
- ventilation system components
- grain drying units
- power and ICT cabinets
- acoustic housings
- and many more other customized, designed for you.

CHAMPIGNON AGEP UNITS

AGEP type stationary chambers have been created on the basis of the combination of experience and cooperation of Polish and Dutch champignon producers. Standard equipment for sizes 200, 300, 400, 500, 600, 900 and 1200 m2 has been developed. As a manufacturer of all elements of the aggregate we are open to solving problems and meeting various needs that occur during the production of champignon and compost.

All elements of the unit, except for the frame, are made of aluminium sheets approved for use in the food industry. The support frame of the unit is made of galvanised sheet metal, providing very good corrosion protection and adequate strength.

The exchangers are made on the basis of copper tubes and aluminium lamellae with copper or steel collectors. The units are sectionally manufactured as divided and bolted components for ease of assembly and connection to the air and heating and cooling system. There is an inspection flap between the radiator and the heater which, when removed, makes it possible to inspect and clean the heat exchangers.

The units are manufactured in any configuration, so that a user can choose a suitable unit, taking installation possibilities into account.

AGEP type devices are made of materials allowing to transport air used for air conditioning of food industry rooms.

All materials used in the construction of the unit are of Polish or European Union origin.

AGEP

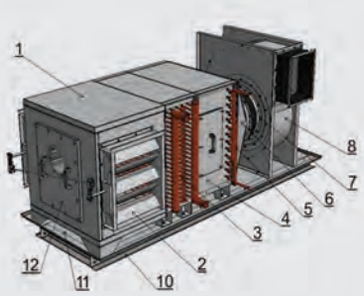
As a company specialising in air processing technology we also make elements of the installation, cooperating with the aggregates, i.e.:

- air filters
- intakes
- air handling devices
- pressure relief blinds
- air ducts
- dampers
- automatics

SERIES OF TYPES

The units are manufactured in the series of types from 200 to 1200. Their size is defined by the area under cultivation. They can have one or two fans.

THE MAIN COMPONENTS OF THE AGEP UNIT:



1. mixing chamber
2. multidimensional damper
3. cooler
4. distance chamber with inspection flap
5. heater
6. diffuser
7. flexible port on the fan suction side
8. Wa type centrifugal fan
9. fan motor (not visible on the drawing)
10. galvanised support frame
11. drip tray
12. mixing chamber inspection flap

UNITS TECHNICAL DATA

Table 1

Type	Heater power Q_N [kW]	Cooler power Q_{CH} [kW]	Air capacity V [m^3/h]	Accumulation in the fan ΔPc [Pa]	Motor power N [kW]
200	46	65	5000	730	3,0
300	69	100	7500	860	4,0
400	92	130	10000	1180	7,5
500	115	165	12500	880	7,5
600	138	195	15000	830	2×4,0
900	207	300	22500	1020	2×7,5
1200	277	400	30000	1180	15

The capacity is given at the air velocity on the exchangers in = 2.5 m/s and the following parameters:
- heater: water 80/60°C (input air: t = -5°C, ΔT = 25°C)
- radiator: water 6/12°C (t = 26°C, φ = 90%, Δi = 40÷45 kJ/kg)t

Table 2 shows the basic dimensions of the units with one fan in the shape of RD 90 and LG 90

Table 2

Type	Dimension of the unit in [mm]						
	A	B	C	D	E	F	G
200	2804	1115	1247	910	2670	1220	1052
300	3116	1190	1397	1060	2915	1370	1276
400	3426	1513	1727	1390	3221	1700	1276
500	3296	1513	1667	1330	3091	1640	1596
1200	4807	2330	2457	2120	4449	2430	2370

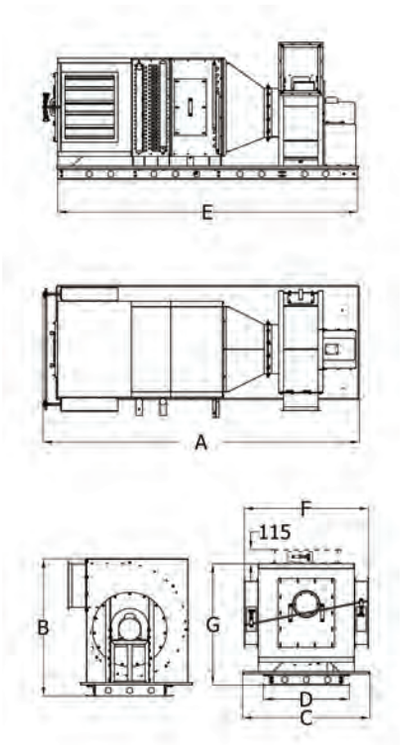
Table 3

Type	Dimension of the unit in [mm]						
	A	B	C	D	E	F	G
600	4072	1190	2457	2120	3871	2430	1276
900	4175	1513	2457	2120	3971	2430	1724

Table 3 shows the main overall dimensions of the units with two fans with the figure RD 90 and LG 90.

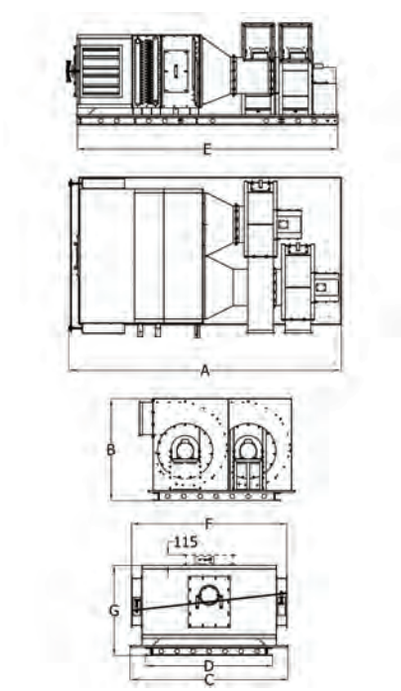
The efficiency of AIR CONDITIONING units manufactured by PROMONT ranges from 1500 to 30000 m^3/h. The units can be manufactured in different configurations.

UNIT WITH ONE FANT



This solution is used for growing areas of 200, 300, 400, 500, 1200 m²

UNIT WITH TWO FANS



This solution is applied for cultivation areas of 600 and 800 m².

AGEP UNIT – SPECIAL VERSIONS

The AGEP unit, due to its design solutions, parameters and operation possibilities of the applied components (exchangers, fans, control system, etc.), can be successfully used in many other areas of the agricultural industry and more. This device, slightly modified together with an individually selected control system, will appropriately shape the following air parameters in a serviced room:

- temperature (through stirring, heating or cooling the flowing air),
- air humidity (dehumidifies the air in a cooler or humidifies it by means of a steam lance),
- concentration of individual components in the air (e.g. CO_2).

In addition, AGEP can work entirely with outdoor air, indoor air or a mixture of these streams, which in certain cases optimises the air preparation process for specific needs.

MICROCLIMATE

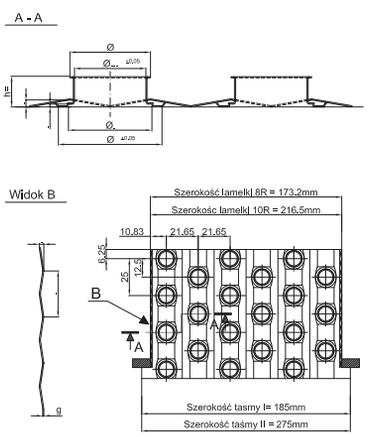
hanks to such a wide range of possibilities, in the history of our company, after some modifications, it has for tomatoes cultivation (vertical design of the device), or to prepare the air in the ripening room of bananas.

GENERAL INFORMATION

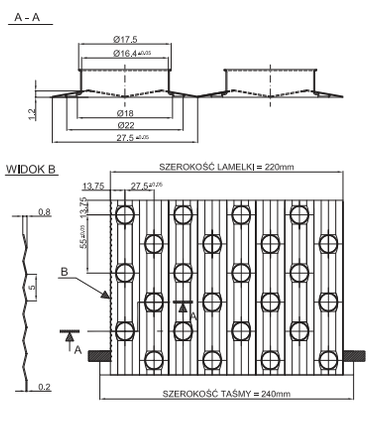
ROMONT has been manufacturing lamellar heat exchangers for more than 20 years. The high quality and reliability of our products is appreciated by our customers from various industries around the world. We have three lines for the production of heat exchangers up to 12 m long.

Exchanger structure:

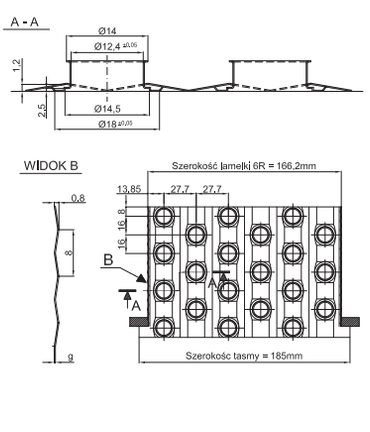
1. Copper tubes:
   Ø 10 x 0,3 mm, Ø 12 x 0,35 mm, Ø 16 x 0,5 mm
2. Lamellar packages made of 0.12-mm, 0.20-mm and 0.30-mm thick tape comprised of the following materials:
   ALUMINIUM: standard exchangers (water, steam, evaporators, condensers),
   EPOXY ALUMINIUM: used in heat exchangers operating in conditions of increased corrosivity of aluminium, e.g. evaporators of refrigerated counters,
   MAGNESIUM ALUMINIUM: increased resistance, marine conditions, slightly alkaline environments,
   COPPER: increased alkaline resistance, typically used in mining industry.



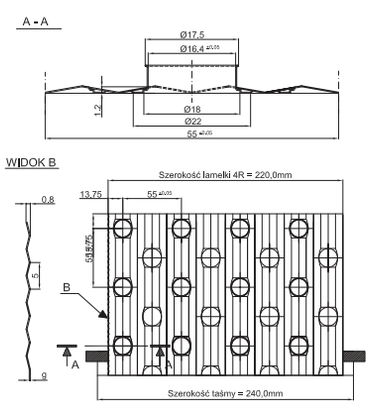
Geometria 25,0×21,65mm dla rurek Φ10×0,4



Geometria 55,0×27,5mm dla rurek Φ16×0,5



Geometria 25,0×27,7mm dla rurek Φ12×0,4



Geometria 55,0×55,0mm dla rurek Φ16×0,4

MICROCLIMATE

In case of working in an aggressive environment, we use the following solutions to protect the exchanger:

- powder coating or epoxy paint coating
- cataphoretic painting
- made on the basis of epoxy coated aluminium tape
- copper tubes tinning
- entirely copper manufacture

Our machine park enables us to manufacture equipment of maximum dimensions up to 12m in length.

All heat exchangers manufactured by us are tested for pressure tightness up to 4.5 MPa.

On request, we can manufacture equipment that meets other requirements.

Geometry type	g=0,12 mm	g=0,20 mm	g=0,30 mm
	Lamellae spacing		
Ø10×0,4 25,0×21,65	1,2 ÷ 4,8 mm		
Ø12×0,4 32,0×27,7	1,6 ÷ 3,4 mm	3,5 ÷ 7,0 mm	
Ø16×0,5 55,0×27,5	1,6 ÷ 3,4 mm	2,0 ÷ 8,0 mm	2,0 ÷ 14,0 mm
Ø16×0,5 55,0×55,0	1,6 ÷ 3,4 mm	2,0 ÷ 8,0 mm	2,0 ÷ 14,0 mm

3. Casing:
   Zinc steel, stainless steel/acid resistant steel, aluminium, painted
4. Collectors are made of copper or steel pipes. As a standard, the ferrules are threaded. There is a possibility of making other endings (flanges, smooth pipe).

The selection of heat exchangers can be made independently basing on tables placed on the website. If the parameters differ from those specified in the tables, the cooling capacities and final air temperatures can be determined by the designers of PWPO-T PROMONT.
In order to select the exchangers, the following data should be provided:
• a flowing air stream
• refrigerant parameters
• air parameters before and behind the exchanger


STANDARD VERSION


COPPER VERSION

EVAPORATORS FOR REFRIGERATING FURNITURE

Manufactured evaporators are used as static and dynamic heat receivers in freon circuits.

Their main task is to cool down the air in refrigerated furniture. It is possible to accompany the devices with electric heaters supporting the defrosting process or to adapt the evaporator to their installation.

Evaporators are selected individually, in accordance with the demand for coolness specified by the customer. Evaporators are selected individually to work with the following factors: R134A, R404A, R407C, R410A, R507.

APPLICATION

A wide range of geometry and the possibility to adjust the parameters of the evaporator to the customer's needs make the devices manufactured by us appropriate for use in gastronomic devices such as:
- refrigerated display cases,
- refrigerated racks,
- refrigerated cabinets,
- freezers,
- display coolers.

NWR FRAME WATER HEATERS

NWR frame water heaters are designed to be installed between rectangular ducts of ventilation or air conditioning systems. As a standard, they are manufactured in 16 sizes for channels with dimensions from 200x200 mm to 1200x1200 mm, as one- and two-row exchangers.

CWR FRAME WATER COOLERS

CWR water coolers can be used as:
• duct coolers
• coolers for air handling units and air conditioning units
• in other equipment where heat treatment of the air is necessary

CWR frame water coolers are designed to be installed between rectangular ducts of ventilation or air conditioning systems. The series consists of 16 sizes of radiators with dimensions from 200x200 mm to 1200x1200 mm, manufactured as four-, six- and eight-row exchangers.

SIZES

We make evaporators:
- tailored to the customer's needs,
- of length up to 4000 mm,
- uniform spacing of the lamellas up to 7 mm,
- variable blade spacing up to 7/14 mm.

CWK-O AND NWK-O CHANNEL EXCHANGERS

These are designed to be installed between rectangular ducts of ventilation or air conditioning systems. The CWK-O and NWK-O heat exchangers are available as standard in four sizes from 0160 to 0315 with two to twelve rows. They are designed to cooperate with recuperation systems in detached houses. The devices can be used as heaters or coolers: preliminary, secondary or zone - for individual cooling (reheating) of rooms with different heat load distribution.

DRY COOLER

Dry Coolers are used in systems for year-round supply of refrigerant. They allow the use of low outside air temperature for the so-called free cooling (free cooling). This leads to a significant reduction in the operating costs of refrigeration systems. In the period when outside air temperature is lower than the refrigerant temperature, a fan liquid cooler takes over the refrigerant cooling task. At higher outside temperatures, but lower than the return temperature of the refrigerant, the outside air cools the refrigerant initially.

Fan liquid cooler – structure
Fan liquid coolers consist of a finned heat exchanger and axial fans. Depending on the version, the unit is equipped with from 2 to 10 fans.

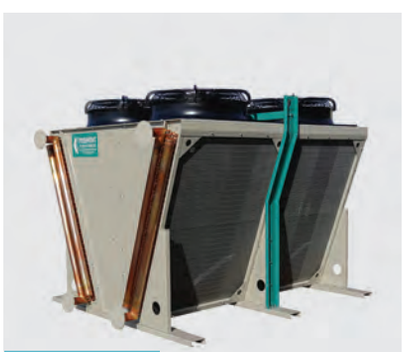
The heat exchangers are designed in a manner allowing efficient and economical use of the heat transfer between the coolant and the air. In the standard version, the exchanger is made of copper tubes and aluminium fins. The connectors are designed for connection to the installation by twisting. The casing of the device is made of galvanised aluminium or stainless steel, powder-coated as standard. Colour of the casing and frame can be in any of the RAL palettes.

On request, we can manufacture customised equipment to meet special requirements, tailored to the requirements of your specific refrigeration system. Our machine park enables us to manufacture equipment of dimensions up to 12 m in length.

ADDITIONAL OPTIONS

- silent and super silent version - fan speed control - single-phase or three-phase motors - explosion-proof motors
- air filter for heat exchanger
- sprinkler system
- epoxy coated heat exchanger
- cataphoretic heat exchanger
- copper tubes
- copper finned package
- spacing between the lamellas is tailored to individual needs

HORIZONTAL VERSION



V VERSION

AGW HEATING AND VENTILATION UNITS

In order for the production process to run smoothly, it is necessary to use appropriate ventilation to help maintain a microclimate optimal for the type of animal production.

The basic task of ventilation is to exchange used air for fresh air, as well as maintaining proper temperature and removing substances such as water vapour, ammonia, hydrogen sulphide, carbon dioxide and other gases that are emitted by animals.

PROMONT offers comprehensive ventilation systems for livestock buildings, such as:
- farms
- sheds
- pig farms
- cowsheds

where it is very important to maintain an appropriate microclimate.

We offer AGW type heating and ventilation units, which are designed to heat indoor air in production halls, workshops, warehouses and other rooms with similar acoustic requirements.

The units are manufactured in four sizes. In each size, three sizes of heat exchangers are used. They are designed to operate in a circulating air environment.

These devices can also be used to heat a broad range of production halls and storage and other types of rooms.

MICROCLIMATE

The microclimate in a livestock enclosure depends on many factors:
- ambient temperature
- wind
- humidity
- location of the building in the area
- size, type of building, type of materials used and construction of the building
- number and type of livestock present in the building
- ventilation system

THE MAIN COMPONENTS OF THE AGW UNIT:

- housing made of galvanised sheet metal, equipped with movable blades at the inlet
- axial fan with direct drive
- protective cover for the fan unit made of perforated sheet metal
- water heater (CuAl heat exchanger)
- a filter when air purification is required

KLIMOD – AIR CONDITIONING UNITS

KLIMOD type stationary air conditioning units are characterised by high mechanical strength, as well as easy operation and maintenance.

KLIMOD type stationary air handling units are developed in a range of sizes from 2 to 84 and cover the values of treated air streams from 500 to 120,000 m3/h. The air handling units can be internal or external (protected against the influence of weather conditions).

Units are built of modules containing from one to several sections. Depending on the needs, they can be supplied as separate modules or as a whole. The air handling units can be supplied with components for automatic regulation and control. The air handling units supplied in this way are complete devices and can be operated following the installation of external sensors (outside the air handling unit).

The modular housing of KLIMOD air handling units has a durable sectional steel construction. The construction of the structure with specially shaped elements ensures the reduction of thermal bridges. Structural elements are made of cold bent profiles made of 1.5 ÷ 2. 0-mm thick galvanised steel sheet, and cover plates made of 0.5 ÷ 1.0-mm thick galvanised steel sheet.
Depending on the needs, it is possible to use stainless steel or aluminium sheets.

The section housing is insulated with 50-mm thick mineral wool, which ensures thermal and acoustic insulation of the units. The side walls on the operator's side are locked with swivel locks and provide free access for maintenance work.

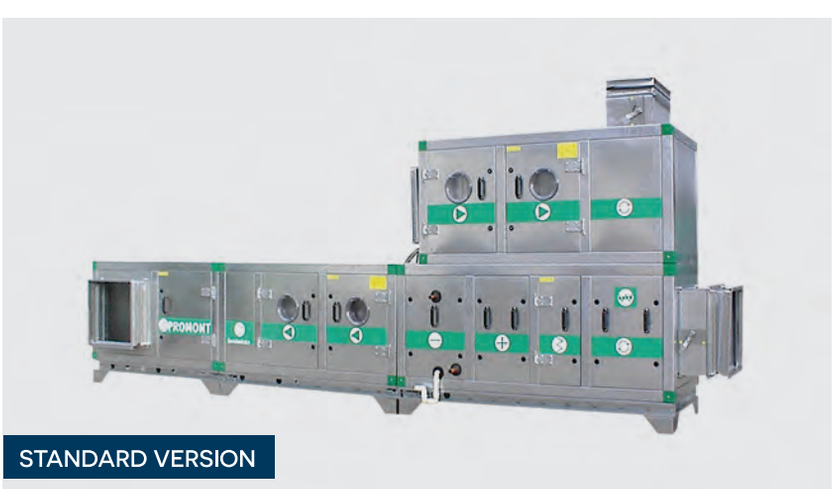
To transport the air, radial suction fans with a belt drive from NICOTRA were used. Fans are mounted on spring dampers of their own design.

TYPE

Units may be of the following types:
- stationary: KLIMOD S, KLIMOD D
- suspended: KLIMOD P

SERIES OF TYPES

The units are manufactured in the series of types from 2 to 84.
Their size defines the quantity of treated air.



STANDARD VERSION

STAINLESS STEEL VERSION

SUB-CEILING AIR COOLERS

DEDICATED TO FRUIT STORAGE

Freon coolers type PC - F - 450 are designed for installation in refrigeration chambers with high humidity. The device consists of a heat exchanger consisting of 0.2-mm thick aluminium fins and 0.12 mm copper tubes, spacing of fins 7 mm. Housing is made of aluminium steel sheet.

Depending on the type, the units are equipped with 1 to 5 axial fans.

		Device type				
Inlet air temperature	Evaporation temperature	PC-F-450/1	PC-F-450/2	PC-F-450/3	PC-F-450/4	PC-F-450/5
°C	°C	Efficiency kW				
10	-5	16,5	27,5	51	65	83
5	-5	10,5	21	32,5	44	52
0	-10	9,9	20	30	40	49
Fans ø 450, air delivery (pc. x m^3/h)		1×5000	2×5000	3×5000	4×5000	5×5000
Dimensions	L	1300	1813	2563	3315	4070
	A	-	-	751,5	2×751,5	3×751,5

APPLICATION

Fan air coolers are widely used in meat, dairy, fruit and vegetable processing and other industries, where maintaining low temperatures is crucial for the technological process. They are a perfect solution for anybody who wants to lower the temperature to a level that ensures proper storage or manufacture of products quickly and efficiently.

VARIANTS

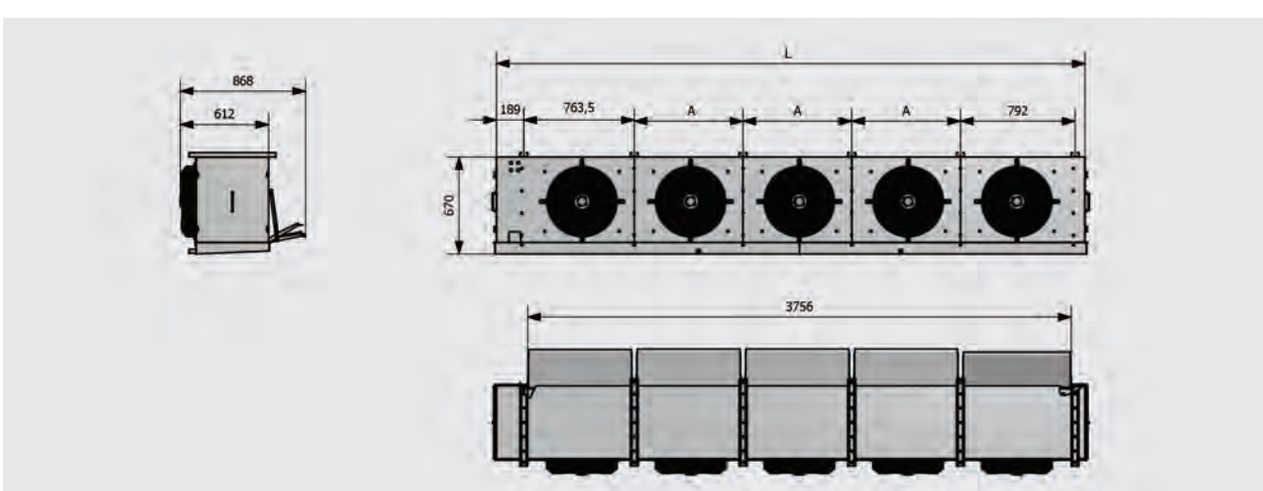
Fan coolers are manufactured in two variants:

- wall-mounted PC
- sub-ceiling LC

Both types of coolers work in a circulating air, and their principle of operation is similar.

The air flow is forced by the use of axial fans.

The refrigerant in both types of coolers can be either glycol or freon solution.



GRAIN DRYING UNIT

Innovative PASZ-150 type Grain Cooling Unit is designed for cooling and drying grain. The device has been adapted to work in external conditions and is fully resistant to atmospheric conditions.
The application of a frame construction chassis equipped with a suspension system allows easy the device to be moved easily.

PASZ-150 unit is designed to work with a grain layer ventilation system in a flat warehouse and in silos. The task of the device is to cool and dry the ventilation air. Lowering humidity and temperature allows safe and long-lasting storage of high quality grain after the drying process. PASZ-150 unit used to cool grain directly after harvest prevents self-heating and spoiling of fresh grain before drying.

Grain protection through cooling reduces the loss of weight and quality of grain due to insect and mould growth. The PASZ-150 unit can be used for storing both cereals and rice, oilseeds, oilseeds, corn or seed.

Preparation (cooling and drying) of external air in the PASZ-150 aggregate and its delivery to the grain cooling zone in the dryer allows to improve the energy balance of the dryer through:

- introduction of dried external air, partly heated from hot cereals, into the drying process;
- supply of external air heated in the air condenser to the dryer;
- use of water heated in a liquid condenser to heat circulating water in the energy recovery system of the moist air removed from the dryer.

The use of an additional water condenser makes it possible to use the PASZ CHP unit as a stand-alone unit for water heating. The PASZ-150 unit, thanks to the variable power of the condensers, stabilizes the parameters of the air supplied to the grain under various external conditions.

Nominal cooling capacity [kW]	Maximum calculative cooling capacity [kW]	Nominal air flow rate [m^3/h]	Nominal current consumption [A]
151	168	15200	82

SILO STORAGE

Grain stored in silos is affected not only by humidity but also by temperature.
In modern cereal storage, there are four basic ways to preserve grain using cooling units:

- grain drying with the use of a chiller as a heat pump,
- grain drying at low temperatures,
- air conditioning to bring the grain to the desired temperature and humidity,
- grain cooling.

STAINLESS CABINETS AND HOUSINGS

Our products are characterised by excellent resistance to corrosion and climatic factors. They can be made in various degrees of IP and IK protection.

We manufacture cabinets designed for the assembly of electrical and power equipment of various dimensions, configurations and intended use, often tailored to individual customer needs.

Several years of cooperation with power companies has allowed us to implement a wide range of different types of products, from light and small wall cabinets to huge and heavy transformer enclosures.

APPLICATION

- Installation of power equipment requiring protection against access, dust and moisture
- building of electrical, electronic and IT equipment
- installation of control systems
- installation of automatic elements

In order to improve the life of our products we use:

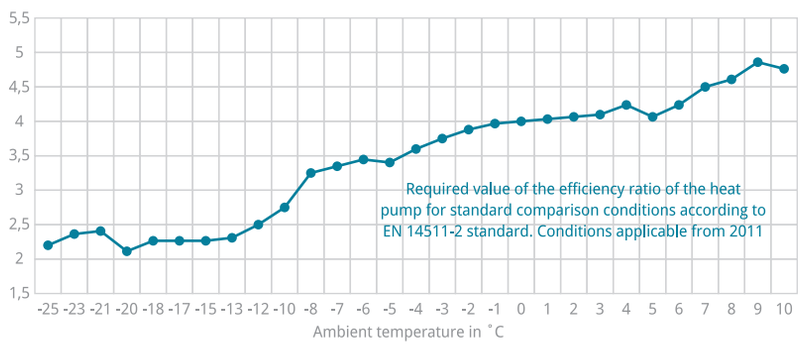
- stainless steel, including 316 L steel
- advanced painting system - C5, Norsolk

Acoustic housings

We offer superstructures that allow you to reduce noise caused by generator, machine, etc.

RADIATOR HEAT PUMP

Radiator Heat Pump is a class of air-to-water pumps which thanks to its innovative design obtains heat of condensation and evaporation of the medium. According to the requirements of PN-EN 14511, the COP efficiency factor for heat pumps in this class should be at least 3.1 at +2°C ambient temperature. The offered Heat Pump significantly exceeds these requirements and reaches the value of 4.3.



Results from four years of in-service testing of a heat pump.

The Radiator Heat Pump is maintenance-free.
Our heat pump uses a natural refrigerant and an energy-saving SCROLL type compressor, as well as a radiator gravity evaporator as the lower source of heat.
The RPC heat pump is adapted to cooperate with a low-temperature central heating system with parameters:
+ 35°C - water temperature in the central heating system,
+ 30°C - water temperature at return flow from the central heating system.

It is characterised by low operating cost
- 4 times less than heating with an electric boiler powered by energy according to the off-peak tariff
- more than 4.5 times lower than heating with fuel oil
- 5 times less than LPG heating
- almost twice as much as GZ 50 natural gas
- almost 1.5 times lower than heating with a coal-fired boiler

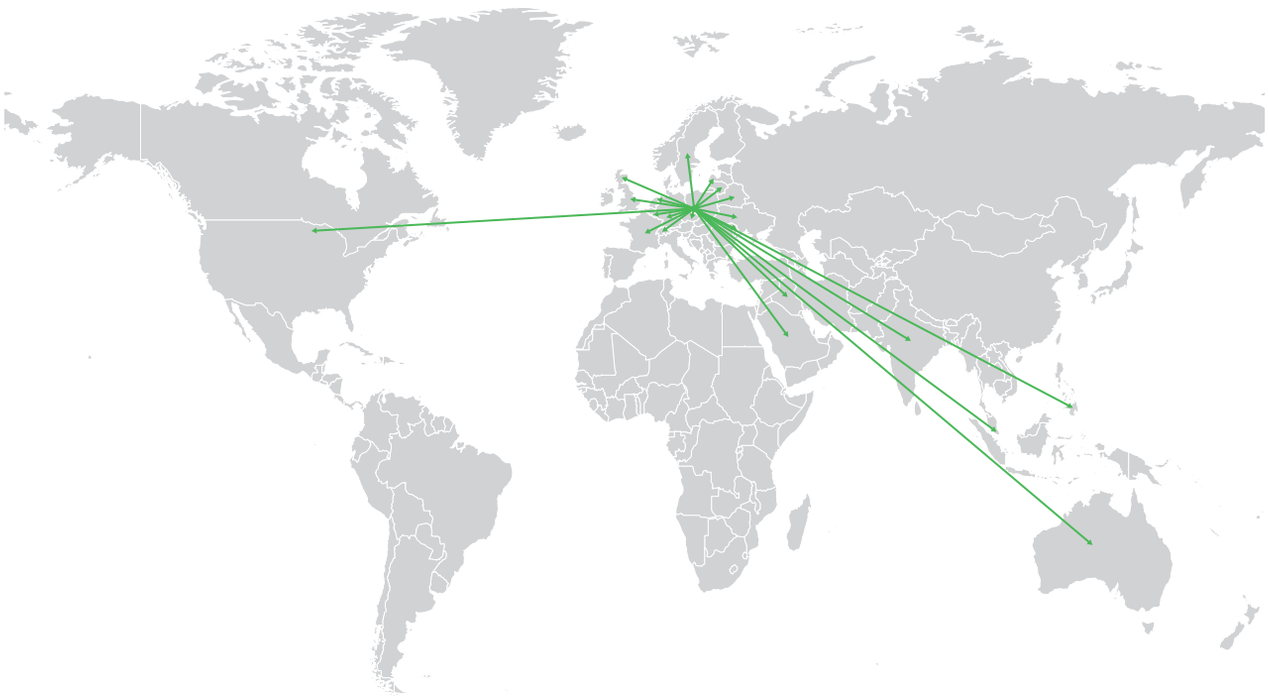
ADVANTAGES:
- Innovative design guarantees high efficiency and reliability,
- low operating costs by eliminating circulation pumps,
- no need to drill deep holes or horizontal ground coils,
- lack of possibility of exploitation of the lower heat source due to its full renewability,
- no noise or by-products, e.g. exhaust fumes,
- easy and inexpensive installation.


ROOF INSTALLATION


INSTALLATION BY A BUILDING

Heat pump model:	RPC 40	RPC 60	RPC 80
Heating power in accordance with EN14511. Evaporator ambient temperature in +2˚C Temperature of the heating medium directed to the heating system +35˚C	8,0-8,4 kW	10,25-10,75 kW	15,6-16,7 kW
Power consumption under EN 14511	2,0 kW	2,5 kW	3,9 kW
COP heat pump coefficient of performance under EN 14511	4,0 - 4,3	4,1 - 4,3	4,0 - 4,3
Supply voltage	380 – 400 V / 3+N / 50 Hz		
Required minimum heating medium flow through the condenser	2700 dm³/h	2900 dm³/h	3790 dm³/h
Minimum volume of the hydraulic coupling assembly constituting the assembly of the heating medium of the CO system	320 dm³/h	320 dm³/h	320 dm³/h
Estimated area of a house that can be heated by a heat pump	120 dm³/h	150 dm³/h	220 dm³/h

WHERE OUR PRODUCTS ARE KNOWN



Great Britain, Germany, France, Holland, Belgium, Switzerland, Sweden, Czech Republic, Ukraine, Belarus, Lithuania, Moldova, Latvia, India, Singapore, United States, Australia, Iraq, Saudi Arabia, Philippines.

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