

## GOLD MEDAL INSTALACJE 2020



### 1. Bosch EasyControl - wireless control system for heating and hot water with a mobile application

ROBERT BOSCH Sp. z o.o.



The system controls the boiler via wireless communication between the individual components of the heating system. It can control up to 19 independent zones (rooms) with individual time programs, radio-controlled thermostatic valves and WLAN with an internet router. It offers full modulation of boiler power and weather compensation after connecting an external temperature sensor or by using Internet weather data, when the external sensor is not connected. Programmable heating time of DHW. The innovative design of CT200 controller with white or black front is aesthetically consistent with the design of Bosch Condens boilers.

### 2. CALLA VERDE - COMFORT II

HEIZTECHNIK Sp. z o.o. Sp.K



Cala Verde M20 inverter heat pump with COMFORT II hydro-box has been designed and manufactured by Heiztechnik. The heat pump operates with the latest refrigerant called R452B, which has been developed for high-efficiency heat pumps. Cala Verde pump is the first pump in Poland manufactured and certified to use this factor. The pump is combined with COMFORT II, a compact hydro-box, which in addition to the hot water tank is equipped with a heating system module with pumps, valves, safety unit, magnetic separator of impurities and automatic functions including diagnostics and option of cooperation with a photovoltaic system.

### 3. Complete - a combined tank for heat pumps

GALMET Sp. z o.o. Sp. K.



'Complete' is a combined tank for heat pumps, which contains two separate tanks in one housing: - an enamelled domestic hot water tank with a capacity. 250 l and a buffer tank for the heating system with a capacity of 135 l. It is dedicated to operate with air heat pumps. Its compact design saves space, while good heating performance of DHW is guaranteed by 'coil-inside-coil' solution, which has an area of to 3 m<sup>2</sup>. Polyurethane foam insulation provides increased protection and low operating costs.

### 4. EcoNordic WH4

Flexit AS / NEST s.r.o.



EcoNordic as the only device on the market uses the CO<sub>2</sub> technology for heating and generating hot water for family homes. This technology provides high heating performance at low outdoor temperatures. This device operates generating a low noise (52dB) and without an external unit. A built-in recuperator, heat pump and hot water tank enable the user to control the temperature inside the house using a single free app on a mobile phone.

## 5. CLEAN R electron-ionization air filter

PRO-VENT Systemy Wentylacyjne Krzysztof Ćwik



CLEAN R is an innovative electro-ionization anti-smog filter manufactured by PRO-VENT and provided with a patented Stopfield® technology. The device is designed to eliminate contaminated air in houses located in cities, towns and villages. It protects the house by filtering the inflow air and eliminating solid particles with a diameter of 1 micron. The reduction of particulate matter is up to 99.95%, which improves health and well-being by providing fresh and clean air to household members and users of public facilities.

## 6. EcoCondens Crystal II Plus - condensing gas boiler

TERMET sa



EcoCondens Crystal II Plus condensing boilers are very efficient devices with operational efficiency reaches 109% and the modulation width is extremely high, making them facilities with low heat demand. These devices offer the option of extended, 7-year warranty, Open-Therm protocol and the control via the Internet. Moreover, EcoCondens Crystal II Plus boilers may be used in cascade systems, containing up to 5 devices.

## 7. PrimoTherm 180-2 Vario DN25 pump group with KvsVario mixing valve and Grundfos UPM3 Hybrid or Wilo Para pump

AFRISO Sp. z o.o.



PrimoTherm 180-2 Vario DN25 pump group with KvsVario mixing valve The pump groups is equipped with innovative ARV KvsVario mixing valve, allowing the user to manually set flow rate coefficient (Kvs) range of from 2.5 to 12 m<sup>3</sup>/h. This universal solution does not require purchasing an additional valve. The modular design allows user to invert supply and return sides. ARV KvsVario mixing valve is equipped with ProClick system, The installation of ARM ProClick actuator is simple and does not require tools. Depending on the preferences, the customer may the pump included in the group - Grundfos UPM3 Hybrid or Wilo Para

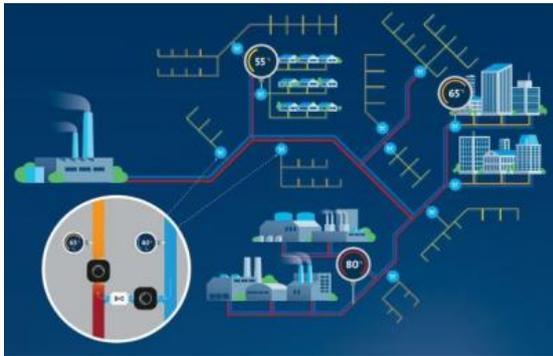
## 8. G500F aluminium radiator with silver ions

ARMATURA KRAKÓW SA



Good for health. Fights bacteria, viruses, fungi and mould. External parts of the radiator are coated with Interpon AM later, containing BioCote technology with silver ions, making the surface health-friendly. Its efficiency in reducing microorganisms exceeds 95%. The continuous air circulation around the radiator makes it a natural catalyst for purification of air, improving general hygienic conditions in the room. G500F radiator with silver ions can really improve the air quality in your home or apartment, due to its presence in every room and a relatively large surface area. Reliable protection: silver ions operate continuously 24 hours a day, 7 days a week. What is important - they can not be washed away or damaged - they guarantee protection throughout the life cycle of the product, which is 20 years (warranty period).

9. iGRID - Smart system for heating network management  
Grundfos Pompy Sp. z o.o.



Grundfos iGRID is a solution that increases the efficiency of the heating network by creating low temperature zones and supplying the network in accordance with actual demand. A typical district heating networks is often designed to handle large buildings such as hospitals and industrial facilities that require high temperatures. This means that other sections of the network receive temperatures higher than it is required, which results in a significant loss of heat. Grundfos iGRID is Smart System for Heating Network Management, which changes the conventional approach. Now, the heat supply is easier and return on investment is higher, as the heat is provided according to real demands, generating energy savings every day. Lower return temperatures mean that the heat output will be more efficient, whereas the real-time temperature and pressure monitoring in the critical parts of the network ensures excellent preview of the current status of the network and provides a reference for further potential optimization. The result of the optimization is also a reduction in CO2 emissions.

**10. Wavin AS+ low-noise wastewater system**

WAVIN POLSKA SA



New Wavin AS+ has been designed to meet the needs of designers and installers. Our 30-year experience in developing low-noise systems, thousands of hours devoted to testing noise levels, exploring and developing new materials and working on installation improvements guarantee the maximum noise reduction and extremely simple installation of the new AS+ system. New Wavin AS+ offers the highest level of noise reduction and efficiency to ensure high acoustic comfort in rooms and area, where it is extremely important.

## 11. BLAZE PRAKTIK gasification boiler

BLAZE HARMONY s.r.o.



Certified power control within 30–100% enables the user to install the boiler without the storage tank (buffer). Attractive price. Comprehensive corrosion protection. Option of connecting a gravity system. Mechanical detection of residual fuel. Three-zone air supply.

## 12. Wavin Tigris M5 fitting

WAVIN POLSKA SA



New Wavin Tigris M5 has been designed to meet the requirements of users and installers. It continues to provide a number of reliable and valued features of its predecessor - Tigris K1 / M1, but additionally Tigris M5 is the world's first fitting with innovative ACOUSTIC LEAK ALERT. Each fitting that is not completely crimped would indicate it by a loud whistle. New Wavin Tigris M5 has also the largest hydraulic cross-section available on the market and the 'Multi Jaw' feature, which enables its installation with 5 types of jaws.

### 13. F-Comfort ball valves

FERRO S.A.



F-Comfort ball valves are new series products of Ferro S.A. They are designed for water heating, cold water and hot water systems. The valves are made of the highest quality materials, including CW671-4MS brass, based on 4MS guidelines, which set the latest hygiene requirements for the materials used in the manufacturing sanitary products that may be in contact with drinking water. The valves use simple but unique solutions, including two-colour, removable rubber bands for identifying cold/hot water and attachable tags that provide all relevant product information and are useful for retail sales.

### 14. Maxima Compact 7-12GT - low temperature, ground source heat pump with domestic hot water tank

GALMET Sp. z o.o. Sp. K.



Maxima Compact provides comfortable heating of home and water in a single device. Energy saving and high efficiency confirmed by A++ and A+++ energy labels. Maxima Compact ground source heat pump connected to the tank ensures maximum comfort and high efficiency. Hot water tank is made of 316L stainless steel and has a capacity of 170 litres. Quick water heating is ensured by the spiral coil with an area of 3.6 m<sup>2</sup>. The entire system may be also conveniently managed using a mobile phone application.

## 15. WOLF CHA-07/10 MONOBLOCK AIR/WATER HEAT PUMP

Wolf GmbH / WOLF-TECHNIKA GRZEWCZA Sp. z o.o.



WOLF CHA monoblock heat pump is environmentally friendly, quiet and powerful premium device, designed for easy installation and long-term, safe operation. CHA Pump is an innovative and unique device intended for new and modernized buildings. High temperature (up to 70°C) is provided by R290 refrigerant, whereas quiet operation of the pump (<34 dB (A) at a distance of 3 m) is ensured by the fan with an owl-wing design.

## 16. Wavin floor heating and Sentio automatic control

WAVIN POLSKA SA



Wavin floor heating is a set of highest quality components that ensure smooth operation of the system and thermal comfort of users. In 2019, for the fifth time Wavin floor heating was awarded the construction brand of the year. To supplement our range of floor heating, we have introduced Sentio - a wired and wireless automation, designed to make the operation of underfloor heating and cooling systems intuitive and easy.

## 17. AIRKOMPAKT heat pump

PPHU KOŁTON s.c. Wojciech Kołton, Krzysztof Kołton



One of the causes of climate change that we observe is the increasing global warming. The need to reduce the negative impact of human activities on the environment in the sector of heating buildings directed our attention to renewable energy sources (RES). KOŁTON engages in the recent industry changes and as the first company in Poland has developed a heat pump using the greenest possible working medium - R290 propane. KOŁTON contributes to activities that aim at improving air quality in Poland by its membership in the Polish Organisation of Heat Pump Technology Development and in the Polish Association of Manufacturers of RES Equipment.

## 18. ePCO 25/40-70Z SMART - energy-saving pump with a built-in WiFi module

Leszczyńska Fabryka Pomp Sp. z o.o.



ePCO 25/40-70Z smart is a modern, energy-efficient pump. With its Wi-Fi module and the option of remote control and monitoring via the Internet it is perfect for the boiler room in a smart home, making its operation and maintenance user-friendly. It may be also integrated with a system connecting multiple devices within Internet of Things.

## 19. Prana ZERO SMOG

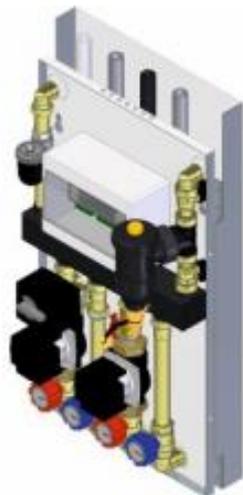
PRANA PLATINUM" TzOV / ECOVENTEAM Sp. z o.o.



The world's first in-wall mounted mechanical ventilation system with straight-line stream of intake-exhaust flow, equipped heat recovery technology and eliminating the impact of harmful smog particles contained in the inflow air stream. Prana Zero Smog is the innovation in terms of process and product features. To meet the expectations of our customers and combat the effects of increasing smog levels, we offer a product which improves the quality of life of its users. With our product, smog, allergens, mould and fungi will stay away from your home. You don't need an expensive air purifier in your home. You get clean air straight from the recuperator.

## 20. S-BOX

RZT Technika Grzewcza Łukasz Stachnik



"S-BOX" is a modern, functional, economic and ergonomic solution offered by RZT Technika Grzewcza, which is easily operated and installed. S-BOX integrated with home systems offers a number of solutions to maintain the desired temperature in individual areas. The section with the boiler is equipped with pollution separators and air separators. In addition, it is equipped with a weather sensor controller. Quick and professional installation is easy with the recommended, special installation frame.

## 21. HOT WATER CIRCULATION CONTROLLER

TECH STEROWNIKI Sp. z ograniczoną odpowiedzialnością Sp.k



### ST-11 Eco Circulation

This controller with a flow sensor is designed to control the circulation system of domestic hot water in a manner adapted to the individual needs of every user. It shortens the time of supplying hot water to taps and outlet points in the most cost-effective manner, maintaining user's comfort.

## 22. System MAGIS COMBO

IMMERGAS Polska Sp. z o.o.



MAGIS COMBO system is an innovative device provided by Immergas and made in hybrid technology, which combines the advantages of RES systems (heat pumps) and the condensing technology of gas boilers. It is the air heat pump of 'split' type including an internal unit equipped with a gas condensing boiler. The device is an excellent supplement that helps to keep the optimal system efficiency throughout the heating period, by maintaining a constant thermal comfort in the building and low costs of heating and hot water generation. In addition, it offers cooling features to provide comfort indoor temperatures even in summer.

### 23. LWZ 8 CS Premium multifunctional heat pump

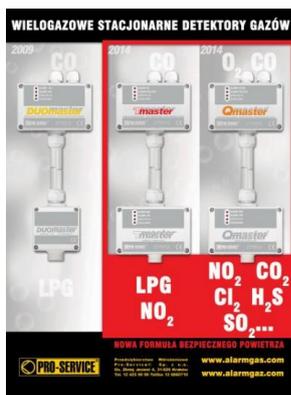
STIEBEL ELTRON - POLSKA Sp. z o.o.



LWZ 8 CS Premium is a monoblock, inverter heat pump of air-water type, certified for passive houses. It is dedicated to new, energy-efficient homes. The pump combines 4 functions in 1 device: central heating, ventilation with heat recovery up to 90%, generation of hot water in a tank of 235 litres and active cooling during the summer. The device may be combined with the solar energy system and photovoltaics. Excellent sound insulation makes it the quietest unit on the market: the level of generated noise is only 50 dB.

### 24. Multi-gas, multi-point stationary gas detection systems for enclosed garages and other facilities

PRO - SERVICE Przedsiębiorstwo Wdrożeniowe Sp. z .o.o



World-wide innovation. The core of this inventive solution is the operation of two, three or four detecting and measuring units connected together. The upper unit detect gases with a specific gravity similar to air, whereas the lower modules detect gases heavier than air. This solution is based on the proper selection of sensors in order to exclude false alarms. The devices may operate independently or in cooperation with control units or controllers to create multi-gas and multi-point detection systems.

## 25. ANGLE BALL VALVE FOR CONNECTING WALL-MOUNTED MONO-/ BI-FUNCTIONAL BOILERS

ARKA Sp. z o.o. Sp.k.



Calido valve of ERYK  $\frac{3}{4}$ " series is a solution to the problem of mounting boilers in limited spaces and connecting them it with a shut-off valve, filter and a check valve (3-in-1). The valve is equipped with an anti-scaling filter installed in the a ball to protect the boiler against pollution from the heating system and with the check valve that allows cleaning of the filter without the need for draining the water from the boiler side. It is an innovative product dedicated to connecting single- and dual-function wall-mounted boilers up to 28 kW.