

PRESS RELEASE

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2017 news: WOLF proves to be "Perfectly in tune with you"

WOLF GmbH, based in Mainburg in Bavaria, is a leading supplier of heating and air handling systems. Together with its listed parent company, Centrotec Sustainable AG, it is also a highly successful supplier of comprehensive energy saving solutions to the building services sector.

2017 is set to be dominated by the recent repositioning of the WOLF brand: the company has set itself the specific task of providing people with the sense of well-being they desire. WOLF positions itself as the "experts for a healthy indoor environment" and accentuates this aim with a clear promise: "Perfectly in tune with you."

This year, WOLF innovations are focused on providing intelligent, efficient and future-oriented systems and solutions that are perfectly in tune with customers' needs.

WOLF HEATING EQUIPMENT

MGK-2 800 and 1000

Among the major product innovations and additions to the heating system range, this year sees the expansion of the MGK-2 family. The popular MGK range of medium sized gas boilers now features two additional models offering 800 kW and 1000 kW output. In addition to their high level of performance, the integrated burner makes them extremely quiet in operation and also exceptionally versatile. Their compact design fits easily through standard doors. In addition, the removable top cover offers optimum accessibility for adjustments and

maintenance. A modulation range from 17 up to percent and the option to cascade up to five appliances ensures maximum flexibility. A back draught safety device for cascade operation is already included. Complete integration into the WOLF control system, BM-2 programming unit with plain text display and WOLF Smartset compatibility make the appliances extremely user friendly.

DHW heat pump SWP260(B)

Everyone's talking about how to save energy nowadays. The SWP-260(B) heat pump from WOLF offers the perfect solution. The new SWP scores highly thanks to its high efficiency (up to 3.54 to EN 16147), compact design and rapid installation. It is also smart grid ready and now features additional lateral air connectors. The appliance has a maximum heating output of 1.9 kW and a cylinder capacity of approximately 200-260 litres. An additional 1.5 kW immersion heater is integrated into the cylinder. Versions with and without solar indirect coils are available to incorporate a solar thermal system or traditional heat generators.

BWL-1S(B) split air source heat pump

The BWL-1S(B) split air source heat pump is a fixed part of the WOLF heat pump range. It recently received the Plus X Award and the coveted seals of approval in four categories: high quality, design, functionality and ecology. The BWL-1S(B) plays to its strengths in all locations where heating and cooling are required.

For 2017, the split air source heat pump is available in two new sizes (5 and 16 kW) and as the BWL-1SB, with an indoor unit and no electric heater for dual mode operation with an external heat generator (oil/gas/biomass/solar). This makes the BWL-1S(B) a flexible, powerful heat pump centre that is open to a number of different combination options.

Heat pump centre

Every heating system installer has their own idea of what the perfect heat pump system should look like. Large cylinders, small cylinders, with or without a buffer, in line with an overflow valve or as a separating cylinder, but always with a generous expansion vessel. With this new heat pump centre, WOLF provides the answer: heat pumps à la carte. Heat pump centres from WOLF combine flexibility and a modular design to form complete systems, always configured to precisely meet your requirements, needs and wishes. A total of 25

different combination options are available, including ones with 200 l or 300 l DHW cylinder, and optional 35 l (for 200 l DHW) or 50 l buffer cylinder (for 300 l DHW). The heat pump centre can be combined with any WOLF split heat pump.

CAT floor station

With the new CAT floor station, WOLF has successfully branched out into a completely new product segment. The system combines central convenience with decentralised, hygienic DHW heating, which means fewer distribution lines and excellent potable water hygiene. And it delivers what customers want most: exceptional DHW convenience thanks to the quick and reliable WOLF RatioFlow controller and integral thermostatic readjustment when flow temperatures fluctuate. Other benefits include thermally insulated casing for the lowest heat losses, exceptional tightness, easy installation and straightforward maintenance thanks to innovative, self-sealing push-fit pipe connections. A long service life and physical robustness are ensured through the use of high quality components – all contained within a sleek and stylish compact casing. High and low temperature versions of the WOLF CAT floor station are available in three DHW output levels and 12 standard types.

Control unit and services

In terms of control units and services, WOLF's tried and tested BM-2 in white promises elegance and the ability to harmonise with any design scheme. The ISM7e interface module will become the Link Pro, and the ISM7i the Link Home. Both are now also able to integrate combined heat and power modules and air handling units into the Smartset system. The intelligent WOLF interface modules even enable quick and easy operation via the new app (iOS and Android), and offer detailed, precise control and monitoring of your systems as a browser application as well.

FWS-2-80 freshwater module

The new FWS-2-80 is more than a perfect complement to WOLF's range of buffer cylinders. It's sure to impress with its energy efficient and particularly hygienic DHW heating according to the instantaneous water heating principle, and clever reduction of limescale deposits by mixing freshwater into the primary circuit. Its larger heat exchanger and output matching with variable speed pumps guarantee additional

reserve capacity, even when faced with increased demand or lower flow temperatures. Controlled electronically, the FWS-2-80 not only optimises DHW convenience, it also raises the efficiency of the system. The appliance is suitable for mounting on the cylinder or on the wall.

CWL-D-70

The decentralised CWL-D-70 is the smart solution for those who don't want to compromise on efficiency or flexibility. Fully wired and equipped with a wall sleeve, the unit is ideal for retrofitting in existing properties or in new builds without ductwork. The CWL-D-70 achieves a heat recovery level of up to 87 percent and thereby fulfils the requirements for DIBt approval, passive house certification and EN 13141-8 (2015). An electric preheating coil (275 W) and bypass for ventilation on summer nights are integrated as standard. The continuous supply and extract air flow means annoying changeover noise, draughts and low supply air temperatures are a thing of the past.

Flip and clean

When developing product innovations and enhancements, WOLF has always focused on making its appliances simple to install and service. The WOLF "flip and clean" system guarantees quick and uncomplicated maintenance of all wall mounted gas condensing boilers and floorstanding oil condensing boilers. There's no need to completely remove the boiler's combustion chamber for cleaning. Simply swivel it outwards, just as with the filter section of a coffee machine. The control panel on oil condensing boilers becomes an "integrated workbench" where you hook in the burner for maintenance. This means residue no longer falls into the appliance, so it is not necessary to drain the system.

WOLF AIR HANDLING EQUIPMENT

Clima Split system

In terms of air handling, WOLF is introducing its first standard split unit with individual air handling unit, which communicate perfectly with one another using the SplitCom communication system. The WOLF Clima Split system consists of an air source heat pump equipped with inverter for connection to a direct expansion coil in the air handling unit. The split unit is installed outdoors and is equally suited to cooling (4-24 kW) and heating (4.5-27 kW), and can be used both for new

installations and for retrofitting. Up to three split units can be linked in a cascade. Cooling – even for less sizeable applications – has never been easier or cheaper.

CRL 1300-3500

WOLF's proven CRL compact ventilation range with thermal wheel heat exchanger and integral control unit will be expanded to include three new (smaller) sizes in 2017. Just like their bigger brothers, the CRL-1300, CR--2300 and CRL-3500 impress with their innovative rotor sealing system. The WOLF labyrinth sealing system, with its extremely high extract/supply air tightness rating of 98 percent (VDI 3803/5), prevents nearly all substance transfer from extract air to supply air.

There are three different thermal wheel heat exchanger versions available for CRL types 1300 to 3500: traditional condensation rotors, enthalpy or sorption rotors, with the additional benefit of moisture recovery in winter and precooling in summer. They naturally also use the latest, highly efficient, variable speed EC fans. The appliances are suitable for both indoor and outdoor installation and comply with all relevant standards and guidelines, such as VDI 6022, VDI 3803 and EN 13779.

High performance run-around coil system

For heat recovery, WOLF presents its high performance run-around coil system. As a complete solution, the WOLF high performance run-around coil system enables complete separation of the supply and extract air in air handling units – and at an efficiency level of up to 70 percent, it already meets the ErP requirements for 2018. This is essential in areas with particularly stringent requirements for indoor air quality, such as hospitals, where the supply air and extract air must never be allowed to come into contact with one another, and in environments where structural conditions dictate that the two air streams must be separated. Complete separation of the supply and extract air flows means that no pollutants, moisture, odours or bacteria can be transferred from one to the other. Heating or cooling energy can also be integrated hydraulically in the run-around coil system. Thanks to complete integration into the WRS-K WOLF air handling control unit, the most important operating data is displayed and a wide range of efficiency parameters are analysed.

CKL Pool

The new CKL Pool was specially designed to intelligently condition small indoor swimming pools, such as those in hotels, hospitals and private residential buildings. It removes indoor air with high humidity levels and supplies dry air into the interior. The WOLF CKL Pool is an all-in-one unit in which the entire refrigeration circuit is already integrated. Full integration of the refrigerant circuit and control system makes installation and commissioning incredibly easy. The complete system is not only highly efficient thanks to heat recovery and EC fans, but also complies with VDI 6022, VDI 3803 and EN 13779 regulations. Two models are available, featuring compact dimensions and a nominal flow rate of 2000 to 3000 m³/h.

Easy Lifting System

From 2017 onwards, WOLF will ensure the simple, fast and safe transportation and installation of all its air handling components – with the simple yet ingenious Easy Lifting System. Lifting eyes allows for particularly straightforward transport by crane or helicopter. The trick was to resolve problems of balance when lifting from above – as well as to dispense with rods or rails for lifting from below. The WOLF Easy Lifting System makes handling onto or into a building much easier, as well as the installation of these functional units quicker and more accurate. It's so simple that even large components, such as thermal wheel or plate heat exchangers, can be easily brought into any building or onto the roof. Once there, cube joiners ensure neat, quick and uncomplicated installation, as well as perfect tightness to EN 1886.

WOLF "SuperSeal" sealing system

Redefining standards: the new WOLF "SuperSeal" sealing system achieves an unprecedented tightness rating of 98 percent (to VDI 3803/5). Previously, the manufacturer would have had to take additional leakage air volumes for supply and exhaust air into account when sizing fans; in future this will no longer be necessary. Output supplements and higher power consumption in operation for supply and extract air fans are also a thing of the past, thanks to WOLF SuperSeal.

F7 carbon filters in the extract and supply air lines keep undesirable odours exactly where they belong – in the exhaust air. It does not stop there – the extra wide double-lip seal on the doors is yet one more useful system feature. And together with our distinctive red sealing profiles, we have reached Class L1 (to EN 1886) as standard. Besides

minimal losses at peak efficiency, this also ensures that no dirt is sucked in, keeping hygiene levels high.

In future, the WOLF "SuperSeal" rotor sealing system will be used as standard in all WOLF air handling units.

SERVICES

WOLF Smartset

Heating, air handling, ventilation control and monitoring in no time – with the WOLF Smartset app. End customers can easily control their entire WOLF building services system by smartphone app without ever having to set foot in the plant room. WOLF is presenting a complete redesign of the app and portal for 2017. All of the most important information is now presented in an even more user friendly format, and use in landscape mode and on tablets is supported. All system information can also be sent as push notifications.

WOLF Profi

WOLF has also completely redesigned the online portal for heating contractors and design engineers. The new "WOLF Profi" platform will be replacing what was previously known as the "Expert level". In future, WOLF customers will use single sign on to quickly and easily access all online services. A customised dashboard is then available for heating contractors, giving them an overview of all the important information and data they need, quickly and easily. This includes personal contacts with photo, a news feed, an overview of all the systems they maintain with a traffic light feature for faults, and upcoming training dates. In addition, contractors and design engineers will have access to current product catalogues, services and downloads. A number of other new tools are also available, such as a solar configurator, heating configurator and the new WOLF 2-minute configurator.

2-minute configurator

The WOLF 2-minute configurator is one of the most innovative tools for air handling products on the market, and enables quick configuration at a particularly early stage of the engineering process, i.e. when only approximate information is available, but the most precise possible dimensions, weights and parameters are required. By entering just a few basic details, such as the flow rate, air velocity and temperature, it

is possible to automatically find the right system with all key data and efficiency classes clearly laid out. Accessible via a simple link, without the need to log in or set up an account, the configurator can be used on a PC, smartphone or tablet – and as the name implies, the result is available in just two minutes. In addition to automatically generated 2D and 3D drawings and various data sheets, a BIM file can also be exported, which can be transmitted directly to Autodesk Revit via the WOLF BIM browser.

BIM browser

Building information modelling, or BIM for short, is revolutionising the design engineering world.

Air handling units are configured individually for each project, which means there are no libraries full of VDI 3805 data, such as those that have long been in place for standard products like boilers. Device data is initially always available in a proprietary format. The difficulty is to dynamically create a Revit file, which can then be imported into BIM software programs such as Autodesk Revit or liNear CADinside. The WOLF BIM browser overcomes this challenge and is available on the WOLF homepage. 3D geometric data, connection points and properties such as air quantity, weight, power consumption, etc. are included. On request, WOLF can also generate IFC files for air handling units.

The WOLF BIM browser was created in collaboration with liNear. A short and simple explainer video is also available showing how to use the BIM browser.

WOLF Service app

True to the motto "Making good things even better", WOLF is this year presenting a new version of its Service app. This handy smartphone app gives WOLF partners offline access to more than 8900 spare parts, 3500 accompanying photos and 900 interactive exploded views at any time. The WOLF Service app provides a digital spare parts catalogue, which can be browsed by product and assembly. Alternatively, users can look up any WOLF spare part using the convenient search function. In addition, spare parts can be readily identified using a barcode scanner, even in the boiler room, in a matter of seconds. All selected spare parts can be ordered directly from the wholesaler by email.

For 2017, the app now has an improved structure, a new design, a revised search function and includes all the latest products and prices (as of January 2017). Another new feature is that a successor model

will automatically be displayed if the original item is no longer available. A helpful "fault code inspector" is integrated into the latest version as well. After entering the fault code and selecting the appliance type, a short guide on how to troubleshoot and rectify the fault will appear. In addition, the download section on the homepage is linked directly to each set of installation and operating instructions and other important documents, as well as WOLF's YouTube channel, which features short videos about the company's products and campaigns.

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