

# SPECK INSIDE



Pump technologies and solutions ...



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### EDITORIAL

Dear customers,  
partners and readers,

Winter has loosened its cold grip. In mid February we already enjoyed a period of spring-like weather - lots of sunshine and temperatures in the two-digit range. What more could we want? The new season has begun!

As a result, the breathing space for you, dear customers, is diminishing. In the age of 24/7 and permanent availability, the expectations of end customers are constantly growing and the patience that can be mustered up until the delivery date is declining.

At SPECK Pumpen we have hardly taken a breather since the end of last summer. Production has been running at full speed throughout the winter. Our stocks are huge. In order to react optimally to the onslaught in 2019 and to be able to deliver reliably, additional storage capacities have been leased. We are now all hoping for a pleasant spring and a continued stable economy so that we can hit the mark with our preparations.

We would like to support you, dear customers and partners, with short delivery times, high SPECK quality and qualified contact persons in times of hectic. We are also here for you should you have any feedback. Take advantage of our service, we always have a ready ear.



Photo: Tanja Bolte

With this in mind, I wish us all a good start to the 2019 season with many satisfied customers. I look forward to seeing you again at the bsw-Infotagen on 29 and 30 March in Düsseldorf.

Yours Armin Herger

Managing Director

SPECK Pumpen Verkaufsgesellschaft GmbH

We'll  
see you  
there ...

...in Düsseldorf!

29 - 30 March 2019



### BADU PUMP PRODUCTION



## Work in progress

BADU pump production.

SPECK Pumpen has been manufacturing plastic swimming pool pumps since 1968. During the last 40 years this production has undergone permanent change. Steadily rising sales figures, new developments or revised pump types and, most recently, the use of energy efficient motors made constant adjustments necessary. In the recent past, completely new factors have been added: a significant change in market behavior, the increasing desire for individualisation and, of course, the expectation of price stability. Amidst this phase of radical change, the BADU pump production is also in the middle of a generation change.

When the long-serving head of department retired two years ago, a gradual change began. Günther Baumer, the former deputy, took over responsibility for the department on a temporary basis. Since the conversion of the merchandise management programme had a major impact on business processes and thus also restructured areas of responsibility, Christian Penkwitz was



placed directly alongside him. From October 2018 Christian Penkwitz took over the responsibility and is growing further with the support of Günther Baumer.

"We didn't want to carry on as we were - and we couldn't have," says the new head of department. The requirements have changed rapidly so it was the right moment for a generation change and the right moment to share the responsibility. In order to meet increasing demands and challenges in the future, the work preparation team in the BADU pump production relies on four ar-

eas: production planning, led by Christian Penkwitz; quality assurance, led by Günther Baumer with his successor Claudius Szilagyi; lean manufacturing, led by Ömer Karabasoglu; and REFA time studies.

The new management team established itself quickly, partly due to the conversion of the merchandise management programme, and has created mutual and resilient substitute solutions. Nevertheless, there is still a lot to do. Over the next five years, some of the department's long-standing employees will be retiring and



## BADU PUMP PRODUCTION

five production lines have been built in lean manufacturing. The remaining nine will be converted gradually. This process for the efficient design of the value-added chain enables the department to react flexibly and unproblematically to special requests. The aim is for every technician in every line to be able to produce every pump independently.

Production planning is carried out in cooperation with lean manufacturing. The rough weekly plan is divided into detailed daily plans. In the morning, each technician learns which line he will be working on and which BADU pumps he will be manufacturing. In some lines, a single pump type is manufactured all day long, while in the next line, 30 pump types may be manufactured individually.

As soon as the order is logged into the line, a logistics specialist delivers the necessary components in sufficient quantity to the production location. In one-piece flow production, an employee accompanies the pump from the very be-

ginning and then implemented accordingly. Many incentives come directly from the technicians. They see this as a real opportunity to help shape their own workplace in a positive way.

The main task of the quality assurance team is the inspection of all incoming components for the BADU pumps. However, they also maintain all production-relevant components - such as tools and test benches - so that the usual SPECK quality of the pumps is guaranteed. In case of any adjustments or changes in the production, however, it is also their job to inspect the product. If discrepancies occur, the team will work closely with the developers and designers to find the problem.

Thus, the BADU pump production will continue to reliably meet the requirements of our customers with regard to flexibility, delivery times and quantities. And one thing will not change in the future - both the young and the old agree - the BADU quality will always be measured against the highest standards! ■



- 1 Production planning.
- 2 REFA time studies.
- 3 Lean manufacturing.
- 4 Quality assurance.
- 5 100 % inspection at the end of the production line.

new colleagues will have to be trained extensively in the meantime. Almost 30 technicians aged between 21 and 62 years are currently employed in the BADU pump production. They work flexible hours on 14 production lines to produce up to 11,000 pumps per month and the figures are constantly rising.

The technicians assemble 2,800 different pump designs. Standard pumps are still in stock. However, both just-in-time production and customer-specific individual production are continuing to rise proportionately. In the last years,

beginning, goes through the 100 % inspection with it and hands over a completely packaged pump to the logistics department. The assignment of individual employees to specific work steps is thus a thing of the past. The merchandise management system now shows all employees involved throughout the company that the pump is ready for delivery.

With REFA time studies, documented production times reveal the potential for optimisation. The optimisation process itself takes place in a team. The adaptation possibilities are discussed mu-



Take a look behind the scenes. This video shows how a BADU Delta Eco VS is built. You will find it on the SPECK Pumpen YouTube channel or via the QR code above.

Green grass even  
during dry spells.  
Photo: iStock.com | nigadis



# SPECK irrigation technology

Simple, clever, proven and professional.

**Dried-out gardens and yellow stripes in the football pitch - do you remember the summer of 2018? We can't promise blooming landscapes, but with our underwater pumps and domestic waterworks we have practical solutions for your garden to remain a green oasis during the next heated summer season. We have put together a few practical packages for this purpose: simple, clever, proven and professional.**

We will have to be prepared to experience more summers with significantly less rain. For green areas of all kinds, this means they can no longer be maintained without additional irrigation. Spontaneous watering sessions are cumbersome, time-consuming and all too often ineffective. A professionally planned irrigation system offers reliability and saves a lot of time. Thus, the garden remains a green oasis of relaxation.

If a private garden has its own well, then our underwater pumps from the plug-in irrigation package "Simple" with easy installation are perfect. Designed for a maximum well depth of 20 m, the Simple I is suitable for gardens up to

300 m<sup>2</sup> and the Simple II is suitable for gardens up to 500 m<sup>2</sup>.

The "Clever" irrigation package is suitable for taking water from a rainwater cistern. The package consists of a Zismatic 40/10 with 15 m cable, an integrated control unit and a membrane pressure tank. Simply install it in the cistern, lay the pipe upwards and bring on the water! Due to the floating water extractor, only clean cistern water is withdrawn.

If there is no power connection in the well or cistern or this is too difficult to implement, the irrigation package "Proven" is the one for you! This consists of our proven jet pumps made from stainless steel. The SGM-Speckmat 101 is a garden pump with automatic controls and the SGM-DA 101, with a 20 litre stainless steel diaphragm pressure vessel, is a compact domestic waterwork system.

In addition, professional football pitch irrigation is one of SPECK Pumpen's specialities. Our "Professional" football pitch irrigation package, with an irrigation capacity of 18 m<sup>3</sup>/h at 8.6 bar,

guarantees green turf. A submersible pump with 7.50 kW, 10 m cable, cooling jacket, bearing blocks, diaphragm pressure vessel, pressure switch, pressure gauge, control including soft start and interface relay as well as a float switch for dry run protection is available as a set.

The "Speed control" football pitch sprinkler package is available for varying water quantities, e.g. for an additional tennis court, and for energy-saving operation. Instead of a conventional control it contains a sophisticated frequency control including interface relay as well as a pressure sensor to control the set pressure.

With irrigation technology from SPECK Pumpen, green areas survive long, dry periods without damage - simply, cleverly, proven and professionally. Inform your customers of these solutions now because the next hot summer will certainly come ...

For advice and individual irrigation solutions, please contact our domestic technology sales team by e-mail: [vertrieb@speck-pumps.com](mailto:vertrieb@speck-pumps.com) or phone: +49 9123 949-500. ■



# Greetings & farewells

Welcome to our new colleagues and  
a big thank you to our retirees.

In the last weeks and months we were able to welcome four new employees to our company. Unfortunately we also had to say goodbye to four long-standing colleagues who have entered retirement.

## Dario Dell'Anna .

### Sales, branch office Rodgau

The state-certified technician with previous training in plumbing, heating and air conditioning switched from the fire protection industry to SPECK pumps. He took over sales for Hesse, Rhineland-Palatinate South and Saarland in the team at our Rodgau branch in October 2018.

## Adam Müller . Industrial electrician

15 years ago, the electrician was involved in conversions in our company as a contractor. SPECK Pumpen seems to have made an impression as Adam Müller is now responsible for our building management and services. Although his focus is on electronics, he also checks the heating, sprinkler system, water supply and other inventory on a daily basis.

## Andreas Neitz . Logistics/goods inwards

The logistics specialist is very varied in his work, from the incoming goods inspection to storage and retrieval, picking, inventory and equipping the production lines. The hobby motocross driver is motivated above all by the right time management. To ensure that the required material is at the right place at the right time and in the right quantity, he synchronises the production processes as precisely as possible.

## Gerald Schwab . Technician cast iron pumps

The industrial mechanic is tasked with the assembly of casting pumps. This also includes painting and testing the finished products. Gerald Schwab has experience as a construction mechanic, product designer in the automotive industry and adjuster and operator in a light metal foundry. At SPECK Pumpen he especially enjoys the working atmosphere and the flexibility in the team. A special challenge for him is the high degree of individuality of the pumps.

## Retirement farewells

With a heartfelt thank you for their many years of loyalty to SPECK Pumpen and their daily

Our new employees: Dario Dell'Anna (right),  
Andreas Neitz, Adam Müller and Gerald Schwab  
(l.-r.).



Heinz Kreuz (above) and  
Sonja Maskow (below).



commitment over many years, we bid farewell to our colleagues entering their well-deserved retirement. Lorenz Kopp has worked for our company since 2003 - most recently in the production planning department. Heinz Kreuz was employed in our BADUJET production for over 41 years. Sonja Maskow was taken on in the SPECK Pumpen Hamburg branch in 2017. Previously, however, she belonged to the SPECK Pumpen representation E. C. von Karstedt for almost 20 years and was thus always part of our company. Karin Schlick started in our accounts department 28 years ago and has been a member of the data maintenance team since the changeover to the new merchandise management programme. ■



## APPRENTICESHIP

**In December our apprentices visited the partner company Speck Pumpen in Roth. They found some differences, similarities and collected many new impressions. After their thirst for knowledge and physical hunger had been satisfied, their own teamwork was put to the test.**

SPECK Pumpen in Neunkirchen and Speck Pumpen in Roth are two independent companies, both of which can be traced back to a family business founded in 1909 and who work with each other in many different ways. An ongoing exchange between the apprentices of both companies not only provides the young people with additional knowledge and practical impressions, it is a living basis for the two pump manufacturers to remain in familiar dialogue in future.

On a tour of discovery through the plant in Roth, the knowledge-thirsty apprentices from Neunkirchen were able to gather many impressions. They were surprised to discover that the production steps within the company, which mainly manufactures industrial technology, were quite different in many respects. To their delight, they also discovered many things in common.

# Curiosity, hunger and a thirst for knowledge

**22 apprentices on an excursion.**

The technical production facilities were closely inspected in particular by the prospective industrial mechanics. In the company restaurant, the apprentices from both companies used the opportunity to exchange ideas with each other.

After the physical hunger had been satisfied at an Italian restaurant during the onward journey, the excursion was rounded off with a visit to a lasertag centre. With pure thrills the young people could prove their team spirit ...



## SPONSORSHIP



# SPECK sponsors climbing world

**German Alpine Association opens new climbing hall.**

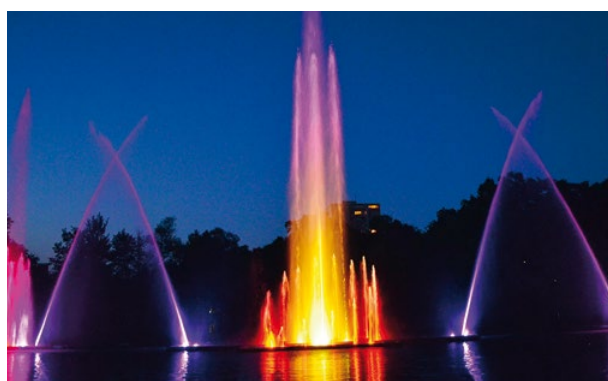
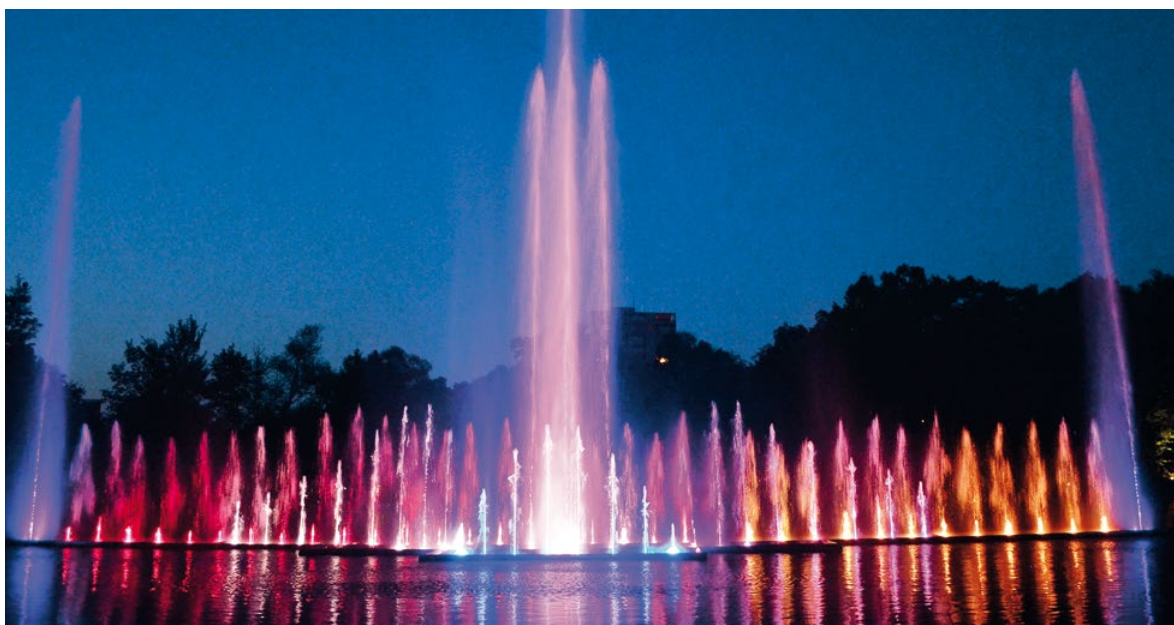
**SPECK Pumpen is an official sponsor of the Raiffeisenbank Kletterwelt, a climbing world in Hersbruck. The opening ceremony took place in December 2018. SPECK is represented in the climbing hall with its logo and also has its own SPECK Pumpen climbing route.**

The new climbing world from the Hersbruck branch of the German Alpine Association offers a wide variety of climbing walls with a total of 75 indoor climbing routes. They cover all levels of ability from 4 to 10. From the beginner to the advanced climber, everyone will find their optimum range here. The hall has 523 m<sup>2</sup> of lead climb-

ing, 14 m high walls and impressive overhangs, a 211 m<sup>2</sup> bouldering area in the boulder room including 6 m<sup>2</sup> of climbable acrylic glass and a boulder grotto. In spring 2019, an additional 265 m<sup>2</sup> of outdoor climbing area with around 30 routes will be added to the hall.

The climbing world has enjoyed great popularity from the entire district surrounding Nuremberg since the very first day. It is an essential contribution to the leisure and outdoor activities offered in the region. All SPECK Pumpen employees benefit from a reduced entrance fee to the climbing hall.





## Colourful water spectacle

Dubai . Las Vegas . Frankfurt

**The Kempinski Hotel Frankfurt has followed examples from Dubai and Las Vegas with an impressive water, light and sound spectacle. The water features are the attraction for guests and visitors on the hotel's own lake. 116 SPECK pumps are behind the up to 30 m high fountains.**

The management of the Kempinski Hotel Frankfurt Gravenbruch wanted the hotel complex to attract more visitors. Hotel, event and conference guests should be as impressed as visitors to the restaurants, bars, terraces and wellness area on the 15 hectare property.

This objective was achieved in summer 2018 with a programmable water show on the hotel's own lake. It is one of the few facilities of this kind put into operation in a German hotel. The spectacle was inspired by the world-famous Bellagio fountains in Las Vegas and the Dubai fountain in the Burj Khalifa in Dubai.

With the exception of the winter months, up to 116 colourful fountains are reflected on the 14,000 m<sup>2</sup> water surface of the lake every evening. They dance almost 30 meters high, individually choreographed to various pieces of music, classical or pop, and impressively illuminated by coloured spotlights. The lake terrace of the hotel restaurant Levante offers visitors a first-class view of the spectacle. In combination with the Arabic specialities served in the restaurant, the fountains provide a very special feeling.

The installation can be adapted to your own music or corporate colors for company and family celebrations. The 200 m<sup>2</sup> floating platform houses 116 individually controllable SPECK pumps, almost half of which are operated with frequency converters. With a water circulation of 16,000 litres per minute, they ensure impressive fountain formations. They are illuminated in 16 million possible colours by 145 LED spotlights, which can also be controlled individually. ■





BADU SuperPro Rp 1½ (left) BADU Delta-MK (right) and BADU Genio (below).



# New in the 2019 BADU catalogue

The most important innovations for the 2019 swimming pool season at a glance.

## BADU Genio

Smart home control for private pool units - genius yet simple operation.

Catalogue swimming pool private > premium: page 126

The automatic control integrates all functions of private pool systems in indoor and outdoor areas. Via smartphone, tablet or PC it enables simple remote access - regardless of time and location.

The BADU Genio enables direct control of all filter pumps in the BADU GREEN range. In addition, the control takes over the dosing of pH minus/plus and chlorine for water treatment. By connecting the solar or heat pump or a heat exchanger, the water temperature can also be adjusted.

The BADU Genio is intuitive to use and offers an easy to understand full text display with multi-lingual menu.

## BADU Delta-MK und BADU Delta-MK Eco VS

Sealless pump for the pool.

Extension of the quiet BADU Delta range.

Catalogue swimming pool private > premium: pages 16 and 18

Available from spring 2019

The BADU Delta series is characterised above all by low power consumption, high efficiency, smooth running and design. This absolute premium series is now being extended by sealless, magnetic coupling pump variants.

With the BADU Delta-MK with maintenance-free asynchronous motor and high-performance ball bearings, the power transmission from the motor to the pump impeller is completely contactless. This significantly minimises possible wear. The pumps are particularly quiet and efficient.

The BADU Delta-MK Eco VS speed-controlled version with permanent magnet motor offers further potential for energy savings, intuitive control via a motor display and the option of external control.

## BADU SuperPro

Time-saving and efficient.

Pioneering in replacements.

Catalogue swimming pool private > allround: pages 14 and 16

The BADU SuperPro was designed to meet the ever-increasing demand for replacement pumps. If an old circulation pump has to be replaced, this often entails major modifications to the entire system. With the BADU SuperPro no effort is required. The two versions in Rp 1½ and Rp 2 can replace the "SuperFlo®" series from Pentair® and the "Super Pump®" series from Hayward® 1:1 without further conversion work.

In a 4-screw design, with PVC connection pieces and a built-in carrying handle, the pump can easily be transported and installed. The performance range of the BADU SuperPro covers a wide range of pool sizes.

## NEW & REVISED SWIMMING POOL SPARE PARTS LIST



At badu.de you will find a current spare parts list for each pump with the corresponding exploded view for download.

On request, we can also provide you with a complete document of all spare parts lists in PDF format. This is available in both German and English. If you are interested, please contact Ramona Erb by e-mail at [werbung@speck-pumps.com](mailto:werbung@speck-pumps.com)

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