

# SPECK INSIDE



Pump technologies and solutions ...



## TECHNOLOGY DEPARTMENT

New developments, revisions and adjustments

**Pages 2 and 3**



## ANNIVERSARIES

Long-standing members of staff and big birthdays

**Page 9**



## BADU INSIDE

Pool technologies and solutions for private swimming pools

**From page 10**

### EDITORIAL

Dear customers, partners and friends of SPECK Pumpen,

A glance at the calendar shows us the upcoming holidays - the pre-Christmas season is in full swing. It is time for us to say thank you to you, our esteemed customers and long-standing partners and business friends. Thank you for another successful year, thank you for your loyalty and the partnership with SPECK Pumpen.

We look back on a year with many uncertainties: Will the weather be good for us? Will the economic situation stabilise or will an economic crisis such as 2008/2009 befall us? Will our business be affected by sanctions imposed by the USA or China and thus also by a strained global economy? Will the long-lasting peace in Europe be questioned by the influences of great aggressors and Germany be drawn into a war? All these questions do not only concern us and our private environment. Economic development is also crucially dependent on these factors.

We can say that it was very turbulent, but for SPECK Pumpen it has been a good year. Nevertheless, we take many concerns and uncertainties with us into the new year, which does not necessarily make planning and scheduling any easier.

It's never too late to believe in human reason. I hope that all the heated discussions will be reconsidered with common sense and that a compromise that is acceptable to all can be found.

With this in mind, we wish you and your families a peaceful Christmas. Don't let the pre-Christmas hustle and bustle get to you and enjoy a few quiet and relaxing days. Get your strength back ready for the new season.

Finally, I wish you a happy new year. Stay healthy and successful! Always have a little bit of luck and the necessary confidence in your decisions in 2020.

Your Armin Herger

Managing Director

SPECK Pumpen Verkaufsgesellschaft GmbH



Photo: Tanja Bolte



Jörg Dornbusch, Tim Neumüller, Felix Dörr,  
Thomas Kraus, Sebastian Schmidt,  
Christian Zeitz, Jule Nirsberger,  
Marco Hubmann, Norbert Ziegler,  
Sebastian Watolla, Thomas Moosburger,  
Thomas Distler (left to right).

# From the idea to the start of production

**New developments, revisions and customer-specific adjustments: Innovations really take shape in the technology department.**

**Impulses for the new and further development of our products reach us in various ways, but nobody can avoid the technology department. This is where individual customer enquiries, feedback from practice, from the sales and production teams, and new standards and regulations flow together with our demands for quality, energy efficiency and innovative strength. Here we design, test, measure, evaluate and optimise until an innovative idea turns into a product ready for production.**

In the 12-person team led by Sebastian Watolla, each colleague has found his speciality. During most projects they work in teams, which are always reassembled according to the individual task. External competences are also involved in some new developments, such as the minimisation of the sound pressure level of the BADU Delta Eco VS in cooperation with the Friedrich-Alexander-University Erlangen-Nuremberg.

Sebastian Watolla describes his team as a "healthy mixture of young and experienced". Some colleagues, like himself, have been with SPECK Pumpen for almost 20 years and longer. Above all, they stand for the experience that they share with their younger colleagues on a daily basis. These, in turn, bring new technical know-how from schools and universities to the development department. The long-standing colleagues are Jörg Dornbusch, who has specialised in electronics and control systems; Thomas Kraus, who in addition to CAD design is also responsible for transferring data to the SPECK SELECT pump selection programme; and Norbert Ziegler, who has developed many pump types and counter swim units, such as the latest BADUJET Turbo Pro. Norbert will retire in spring 2020. To ensure a smooth transition Thomas Moosburger has already been taken on as his successor. Both are currently sampling and testing the BADUJET Turbo Pro hand in hand.

Marco Hubmann, Sebastian Schmidt, Christian Zeitz and Thomas Distler design and test pumps, sample injection moulded parts and electric motors and have knowledge of electrical engineering. Their colleague Tim Neumüller mainly designs fire extinguishing units and water supply units for the domestic technology sector. As an apprenticeship mentor, he is also the contact person for currently the youngest in the department: the two apprentices training to be technical product designers Jule Nirsberger and Felix Dörr.

At the beginning of every development project, the target has to be defined. This is the basis for the entire procedure. If the product adaption concerns, for example, a special pumped medium, a modular system can be used for all components that come into contact with the medium. Of course, experience with a wide variety of materials is also required.





## CONSTRUCTION AND DEVELOPMENT



For the new and further development of pumps, the hydraulic design by means of flow simulation is the focus. The flow qualities defined in the target is theoretically played through in a wide variety of constellations. This results in characteristic curves and values for efficiency and energy consumption, which are then evaluated and compared with each other. On this basis, the optimal technical solution can be found with regard to many different criteria.

The new construction of the components, as well as the adaptation of already existing ones, is carried out by means of a CAD program. The parts are then printed using a 3D printer. The motor is either selected from the range or newly developed in cooperation with a motor manufacturer. The resulting prototype of a new pump now has to undergo numerous tests in the test laboratory: Pressure tests, cycle tests, mould tests, electrical voltage tests and noise measurements.

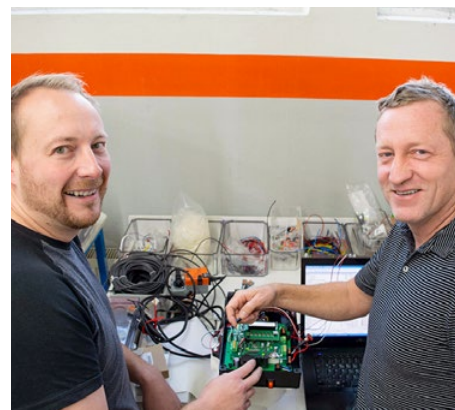
From the determined values, conclusions can be drawn for the fine adjustment of the components until the results agree with those theoretically defined.

Once the prototype has successfully passed the test phase, the injection moulds for new components are ordered. This is followed by the sampling phase, in which the first sample parts are measured to the specified tolerances and subjected to a functional check. Only then is the approval for series production granted by the technology department.

However, a project is then not yet complete. Jörg Dornbusch coordinates and accompanies all necessary tests, e.g. for the GS sign. At the same time, the technical input for operating manuals and parts lists has to be prepared and entered into the merchandise management system. 2D drawings and characteristics are issued for

catalogues and brochures and the data for all pump types within a series are entered into the SPECK SELECT pump selection programme. Meanwhile, the main designer accompanies the initial phase of production intensively.

The Technical Manager Sebastian Watolla is then able to present the new product to sales teams and representatives at home and abroad and to present it at trade fairs. In his role he also acts as an interface to communicate the innovations from the technology department to the outside world and to provide new input. As a member of the DIN committee, he most recently helped develop the standards for private swimming pool technology and is now concerned with the impact of private swimming pool technology on the environment. This means that neither he nor his team will run out of ideas for further new and further developments of SPECK pumps in the foreseeable future ... ■





# GERmania-ITalia: GERIT celebrates anniversary

40 years of German quality products in Italy



On 20 September, GERIT celebrated its 40th anniversary in Bolzano. For the anniversary celebration, an entire exhibition hall was rebuilt and festively decorated. Among the guests were also representatives of SPECK Pumpen. They used the unique opportunity to hold their European conference in Bolzano in the days before the celebration. SPECK Pumpen has been in a close and friendly cooperation with GERIT since the beginning of the success story.

ny also started its own production of nozzles, telescopic rods and gutter grilles. In 1992, the company moved into a new premises, which has had an impressive showroom since 2016. Here swimming pool builders and end customers can view and of course try out all modern spa and wellness facility systems.

The 250 or so customers, partners and suppliers as well as family and friends of the company invited to the anniversary were offered a great evening. Gabriele Merler, second generation managing director since 2007, delivered the speech. In addition to the successful development of GERIT, he also commemorated the personal and business setbacks caused by the deaths of the two company founders in 2005 and 2007.

The programme for the anniversary celebrations was led by the well-known presenter Barbara Pedrotti. After various artistic performances, the highlight came in the form of a lively showband, which didn't allow the atmosphere to break until the early hours of the morning. ■

40 years ago, Delfo Gavazzi and Fabrizio Merler founded a company to import German quality swimming pool technology to the Italian market. The company's name GERIT still sums up the trading relationship between Germany (Germania) and Italy (Italia) today. SPECK Pumpen's products have had a firm place in the South Tyrolean product range since the beginning in 1979.

Since 1986, GERIT has been assembling BADU pumps in Italy itself under licence from SPECK. More than 20 years ago, the trading compa-





## ANNIVERSARIES

Photos: Mark Chipps

Around 250 customers, pool builders, suppliers and partners of Speck Pumps South Africa attended the anniversary celebration on 5 October. They enjoyed culinary delicacies and a brilliant show programme in a tent on the sandy beach in Cape Town with perfect weather and a calm sea. The tent was built directly next to the Grand Africa Café & Beach especially for the anniversary celebrations.



# 50 years' SPECK Pumpen South Africa

Anniversary celebration at the Grand Africa Café & Beach on the beach in Cape Town.

The story began 50 years ago on a flight between Germany and South Africa when passengers Willy Speck and Helmut Menke started a conversation. One of them built and sold pumps, the other one was involved in export financing and granite trading. The businessmen's interest was quickly aroused and Menke soon sold the first 100 SPECK pumps in South Africa. Successful sales led to the foundation of a company in 1971, which has been run since 1983 under the name Speck Pumps SA (Pty) Ltd. Since 1978 SPECK pumps are have also been produced in South Africa.

Today the company is in the hands of Hermann Speck and Roderick Westwood. It is managed

by the latter who is Managing Director, the Operations Manager Oelrich du Toit, the Marketing Manager Lize Westwood and the Sales Manager Amor Strauss. The Johannesburg headquarters and the offices in Pretoria, Durban and Cape Town currently employ 34 permanent employees and 10 to 20 seasonal workers for six months each year.

Around 250 guests attended the celebration of this success story on the company's 50th birthday. The programme was conducted by Deon Bing, a well-known, regional radio presenter. In his speech, Roderick Westwood provided a number of anecdotes from daily work and travel in Africa. He also used the special occasion to pay

tribute to Piet Mailula, the longest-serving employee, for his 46 years' service. His very personal gratitude went to the Speck family, who gave him the opportunity to lead the company to success in South Africa and always believed in him.

After the first drinks and culinary delicacies, the show program started with a ladies string quartett, whose mixture of classical sounds and modern rhythms got people out of their seats. Berry Hilton, a well-known South African stand-up comedian, captivated the guests with his unique repertoire. All in all it was a very successful evening on the beach in Cape Town, where people danced, laughed and celebrated until late into the night...



# Team news

Ten new colleagues, three transfers and one new position

In the past months, the SPECK team has grown by ten new colleagues in various areas of the company. In addition, we were also able to take on three former apprentices and fill a newly defined position internally.

## BADU pump production

At SPECK Pumpen more than 2,800 different plastic pumps designs are assembled in 14 production lines. We are compensating for the constantly increasing production figures with new production lines and strategies and of course with additional engineers. We have welcomed three new colleagues in the BADU pump production: machine technician Ergün Kadir, Altinkaya Necdet with previous commercial training and Dimitar Radev, a trained ventilation engineer.

## Electrical department/plant engineering

The mechatronics engineer Paul Hollerbach was taken on for the mechanical and electrical construction of booster units. Because of his expertise in electrical engineering, he also works as a stand-in in the plant engineering and the electrical departments. In the latter, there is another new colleague: Daniel Williams, an electrician for energy and building technology, is responsible for assembling, wiring and testing the electrical function of control boxes.

## Repair workshop

Thomas Eymold, electrician, supports our team in the repair workshop. He maintains and repairs BADU pumps, small centrifugal pumps, submers-

ible and multipurpose pumps. In addition, he builds and rebuilds submersible pumps and configures suitable accessories.

## Technology department

As a trained industrial mechanic and certified mechanical engineer, Thomas Distler supports our innovation team in the technology department with the construction of new products, the sampling of injection moulded parts and electric motors as well as customer support.

## BADU sales

Already with us since 2011, the industrial specialist Frank Schimann was able to take over a new area of responsibility within the BADU sales department. As Export Account Manager, he now has the Nordic countries, Israel, Spain and Portugal in his sights. As well as international customer care and customer acquisition, he is also responsible for training, technical advice, order preparation and processing and after-sales support.

## Export

Following her apprenticeship, Vanessa Höglér first worked in the accounts department. Due to internal restructuring in the course of the changeover of our merchandise management system, she was assigned to our service department and now supports our export team. Here she processes orders, registers consignments with various freight forwarders, prepares necessary shipping and export documents, calculates freight charges and checks outgoing goods.



Thomas Eymold



Frank Schimann



Thomas Distler

## After-sales service

Ramona Neumann also successfully completed her apprenticeship as an industrial administrator and is now responsible for processing service and spare parts orders. This includes contact with customers, cost estimates and deliveries. She is currently tasked with photographing the spare parts for the data management department and is studying to become an industrial specialist.



Vanessa Höglér

Ergün Kadir



Altinkaya Necdet



Dimitar Radev



Paul Hollerbach





## NEW COLLEAGUES



Ramona Neumann



Santa Dombrovka



Niklas Hübsch



Thomas Schüler

**Branch office Hamburg**

Santa Dombrovka complements the SPECK branch office in Hamburg as a sales representative. She is the contact person for customers in Hamburg, Schleswig-Holstein, Bremen and Lower Saxony.

**Branch office Stuttgart**

We gained Thomas Schüler, graduate in process engineering, as an on the road sales representative for the branch office in Stuttgart. He looks after our customers in Baden-Wuerttemberg.

**Branch office Neunkirchen**

Niklas Hübsch was taken on in the Neunkirchen branch office after completing his apprenticeship as an industrial administrator. He is responsible for customers in Northern and Eastern Bavaria.

**Branch office München**

Ralph Thiele is on the road as a sales representative in Southern Bavaria. He is a trained central heating and ventilation engineer, a certified master craftsman and tradesman.

Ralph Thiele



## APPRENTICESHIP

# Looking for young Talent

## On the move at the regional training exchanges.

In autumn, SPECK presented itself at two regional vocational training fairs in Hersbruck and Röthenbach. As a training organisation, we use the well-attended fair to convey the concrete contents of our various apprenticeship programmes as well as to reduce inhibitions and encourage visitors to get in contact with us. Who could do that better than our apprentices themselves?

In Germany everybody speaks of a shortage of skilled workers on the one hand and on the other hand there are more and more young people who find it difficult to start their careers. There are many reasons for this difference. As a company in which training has always been a high priority, we want to face the facts that lie on our hands. We want to make it easier for young people to start their working life, but we also want to help shape the next generation of skilled workers for our own company as positively as possible.



At both regional events, SPECK Pumpen was represented exclusively by its own apprentices. This is the easiest way for the students to simply enquire about the atmosphere in the company or the salary during the apprenticeship. Questions that are often not asked to a training manager or personnel manager out of decency. They also learn first-hand what other young people have to say about the apprenticeship at SPECK.

The high degree of awareness of SPECK Pumpen in the region was clear. However, many pupils still don't know exactly which products we manufacture. The number of apprenticeships for skilled trades has increased noticeably. Furthermore, it is becoming increasingly important for young people to be able to do work experience in the company beforehand. They often also ask about the public transport connections.

# Future Perspectives

In September, eight young people started their careers at SPECK Pumpen with an apprenticeship in four different jobs.



For SPECK Pumpen "training for the future" means above all the early promotion of specialist employees for tomorrow. In the future, the quality and innovative strength of a company will continue to be largely determined by the qualifications of its employees. For the young people themselves, the start of the apprenticeship is also a big step in their own personal future and into a long working life. We asked them what their hopes and wishes for their apprenticeship are and where they see themselves in 10 years...

**Maurizio De Rosa** (20) . Maurizio is motivated in his apprenticeship as a mechatronics engineer by the prospect of getting to know the different departments of the company better and therefore developing himself further for his future career. In 10 years, he would like to live a healthy and happy life in a house with his family and work in a responsible position at SPECK Pumpen.

**Abdirahman Mohamud Mohamed** (18) . "I enjoy learning something new every day. The more independently I can work, the more useful I feel for the company. My colleagues and bosses are great; hopefully it will stay that way." The trainee production mechanic wants to be married in 10 years, have children and his driver's license. In addition, he would like to have a good job and a safe life in Germany.

**Fahim Najimi** (17) . The trainee warehouse clerk is very pleased about his apprenticeship at SPECK Pumpen and that he can count on friendly and helpful colleagues. Fahim particularly likes the additional English course offered to apprentices. In 10 years, he sees himself as a well trained and experienced employee of SPECK Pumpen.

**Alexander Pflaum** (22) . The trainee industrial clerk said "I am pleased to have a diverse apprenticeship as a basis for further development and good promotion prospects at SPECK Pumpen". In 10 years, he would like to be in a responsible but also varied position at SPECK.

**Alisa Rebmann** (20) . The trainee industrial administrator is pleased to have started her career in an innovative and internationally active company such as SPECK Pumpen. Her dream is to work at SPECK Pumpen in Jacksonville, USA in 10 years' time. In spring, she was already able to conduct her own market research and test some pools personally...

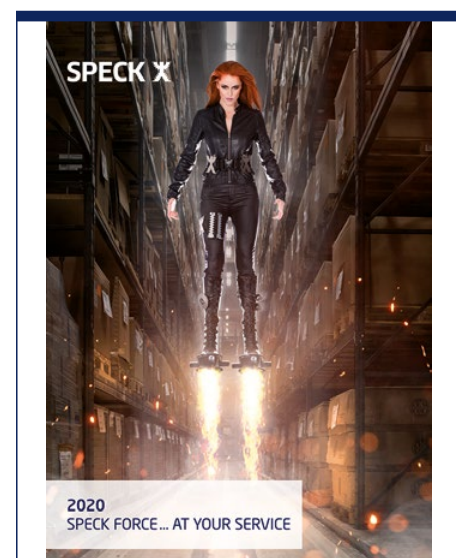
**Lucas Richter** (15) . For Lucas, the apprenticeship as a production mechanic is associated with the hope of learning a lot and becoming more independent personally. But he is also happy to be earning his own salary. In 10 years, he would like to "hopefully still work at SPECK Pumpen, start a family and wait and see what the future will bring..."

**Biniam Temesgen** (21) . "SPECK Pumpen is a great company and my colleagues are very nice. I think it's especially cool that I can also learn English here," is how the trainee ware-

house clerk sums up his joy at his apprenticeship position. In 10 years, he would like to celebrate his 10 years' service at SPECK and have the German citizenship. But his dream also includes a beautiful wife, two children, a nice apartment and a posh car.

**Jakob Weller** (19) . Jakob hopes that his apprenticeship as an industrial administrator will enable him to further his professional and private development and to grow in line with the tasks set for him. In 10 years, he wants to "stand on his own two feet and enjoy a healthy life."

SPECK Pumpen is committed to successfully contributing to the education of these young people. As colleagues and people, we will accompany our newcomers on the way to their future aspirations and shape common future perspectives. ■



## CALENDAR 2020 SPECK SUPERHEROES

You don't have one of our heroic SPECK calendars yet? Then order your copy by e-mail: [info@speck-pumps.com](mailto:info@speck-pumps.com)

Only while stocks last!



## ANNIVERSARIES

# Anniversaries

Honouring our long-standing employees: three employees with 10 years' and two employees with 40 years' service. Plus three 50th and two 60th birthdays.

The loyalty and faithfulness of the employees as well as an extraordinary atmosphere in the company regularly present SPECK Pumpen with company anniversaries. A welcome occasion for the management to pay tribute to the performance and solidarity of their employees in a festive setting. The anniversary celebration is a traditional part of the company's annual calendar and took place this year in the restaurant "Altes Rathaus" in Lauf.

At the anniversary celebration, the managing directors Hermann Speck and Armin Herger as well as the personnel manager Stefan Dörr emphasised the loyalty to the employer, which is behind every single company anniversary. Many years of experience, know-how, reliability and strong identification with the company are essential factors for the product quality and success of SPECK pumps.

## 40 years' service

Ernst Roth, master craftsman in the repair workshop, and Bianka Reinhardt, purchasing, joined the company in 1979. On the radio at the time they played brand new hits such as "Y.M.C.A." by Village People and "Chiquitita" by ABBA.

Looking back, Bianka has nothing to regret. "It was the right decision to do an apprenticeship at SPECK. I have never been a no one here in all these years." Her advice to the new apprentices: "Stay curious and treat each colleague as you would like to be treated!"

## 10 years' service

Fatih Afat, purchasing, Katja Pohl, Northern Bavaria branch office, and Michael Räbel, domestic technology sales, started their careers at SPECK in 2009. They also completed the apprenticeship. This year has gone down in history with the global financial crisis, the inauguration of



Armin Herger, Ernst Roth, Katja Pohl, Frank Kramer, Armin Reinhardt, Stefan Dörr, Hermann Speck, Michael Räbel, Bianka Reinhardt und Fatih Afat (v.l.n.r.). Foto: Frank Boxler

Barack Obama and the death of "King of Pop" Michael Jackson.

All three colleagues emphasise above all the friendly, helpful and warm-hearted cooperation within the company. They share the realisation that there can only be such an atmosphere if everyone shows respect for each other. They recommend new apprentices to "never lose sight of the goal, always stay on the ball and never think that you can't do something". Because "even in difficult times, it pays to remain committed and motivated. In the end, you will be rewarded. Unexpected opportunities often arise with SPECK Pumpen."

## 50th birthdays

The branch managers Gunter Gammelin from Hamburg and Frank Kramer from Neunkirchen (Northern Bavaria branch) as well as the master craftsman in the plant engineering workshop Armin Reinhardt celebrated their 50th birthdays in 2019. They were born in 1969, the same year as the last public Beatles concert.

The motto of their life experience so far is: "One must always be courageous enough to admit one's own mistakes, wise enough to profit from them and strong enough to correct them," and

"not stop at any challenge and always regard them as an opportunity for personal experience. Our young newcomers also received the tip from Gunter Gammelin, "I don't care how old I am, I want a unicorn for Christmas"! What does he mean by that? That it can sometimes help to look outside the box..."

## 60th birthdays

The managing director Hermann Speck and Alois Hofbeck, BADU pump production, celebrated their 60th birthdays this year. Born in the year 1959, which was not only an extraordinarily good vintage in Bordeaux, the Russian space probe Lunik 1 was the first to overcome the earth's gravity in this year and Fidel Castro took over the leadership in Cuba.

The businessman Hermann Speck has been at the head of the family business, which was founded 110 years ago by his great-grandfather, since 1998. He is proud of the fact that, despite the enormous growth over the last decades, all employees live their daily working life in a close family atmosphere. That so many colleagues, as well as at the anniversary celebration, repeatedly mention this as a special feature of SPECK gives him the confidence to be able to give this value to the younger generation as well. ■

# BADU<sup>®</sup> INSIDE



Pool technologies and solutions... > swimming pool private



## AUTUMN TRADE FAIRS

Live demonstration of our new counter swim unit

Pages 10 and 11



## PUMP EVOLUTION

Constant development of our BADU pumps

Page 12

## Barcelona . Cologne . New Orleans

The international swimming pool technology trade fair grounds - SPECK was there.



Autumn trade fairs in Barcelona (left) and Cologne (right).  
Right photo: Zweilux Wackenfeld

**SPECK Pumpen used the international autumn fairs to maintain and develop contacts. A current and authentic overview of the swimming pool market was captured. As well, of course, as the feedback for the new products. The interest in the new BADUJET Turbo Pro was overwhelming. Three extreme swimmers fought against it in Cologne and impressively demonstrated the performance of the new counter swim unit.**

### **Piscina & Wellness Barcelona . 15-18 October 2019**

On the first two days, many existing customers as well as new prospective customers were welcomed at the SPECK Pumpen stand. The quality and quantity of visitors was extremely high. The

international share was 4 % higher than in 2017 according to the trade fair organisers.

In the afternoon of the third day it became increasingly noticeable that many people had left the city. The protests by Catalan separatists were joined by a general strike. The roads out of the city as well as the motorway to the airport were blocked. After dark, the SPECK trade fair team witnessed from the hotel in the city centre how peaceful protests turned into violent clashes, street barricades went up in flames and shops were devastated.

Thus, the expectations of the trade fair in Barcelona were not completely fulfilled. However, there was a consistently good mood within the indus-

try. Some look at the economy and the labour market with a clouded view, but the order books are full. "Even though dissatisfaction is increasing in Germany, we really can and must be satisfied in our country", was how Managing Director Armin Herger summed up his personal experiences in view of the local situation.

### **aquanale Cologne . 5-8 November 2019**

The aquanale in Cologne was the highlight of the swimming pool industry for 28,000 visitors from 128 countries, as well as for SPECK Pumpen themselves. Even before the official start of the trade fair, we welcomed the participants of the PoolPlenum to our stand for a pre-opening and exchanged information and experiences in a relaxed atmosphere.



## BADUJET Turbo Pro . The trade fair highlight

SPECK Pumpen was represented with two stands and was pleased by a really good response from the first to the last minute. Many international customers and interested parties became aware of our new products and received extensive advice. The focus was on the new BADUJET Turbo Pro, against which three professionals competed. Extreme swimmer Mirjam Schall, multiple world record holder Stefan Göritz and Christof Wandratsch, the fastest German to swim through the English Channel, impressively demonstrated the power of the new counter swim unit in a specially built pool. A real eye-catcher that even the television reporters could not resist.

The noticeably positive mood at the aquanale gives reason to hope for a good 2020 season. The SPECK trade fair team was also more than satisfied with the share of foreign visitors, which rose to 67 %.

For SPECK Pumpen the highlight of the event was the legendary trade fair party. With cocktails and samba rhythms, we did our best to get our guests in the right mood for the new season and to stay in their minds for a long time. We celebrated until late into the night...

### International Pool Spa Patio Expo New Orleans . 11-13 November 2019

SPECK Pumps USA presented its new products for the US swimming pool market. Among them were some SwimJet System innovations such as LED touch keys, a digital circuit board with integrated WIFI and the new BADU Concept App. The latter could be extensively tested by visitors at three workstations. However, the latest pump technologies for the public swimming pool market also generated a lot of interest: BADU Block Multi with variable speed drive, Normblock Multi, BADU Pro and BADU Powerstar.

SPECK Pumpen relies on propeller technology with the new BADUJET Turbo Pro. They are launching a counter swim unit with a flow rate of up to 350 m³/h, which is considerably higher than conventional systems. It's the ideal training partner for professional swimmers and those who want to become one!

#### Technically up-to-date

**Efficient** - advanced permanent magnet motor

**Innovative** - magnetic power transmission

**Safe** - hermetic separation of electrical components from the pool water

**Low-wear** - no drive shaft or shaft seal

**Quiet** - reduced water flow noise

**Authorised** - standard, compliant design according to DIN EN 16582-1 and 16713-2

#### Added value for your pool

**Optimal** - low wave and splash development

**Comfortable** - can be operated via remote control or integrated sensor keys

**Challenging** - stageless capacity regulation up to max. 350 m³/h

**Variable** - relaxation, fun, professional workout, rehab training

**Endless** - transforms a pool into your own boundless ocean

#### Handling for the swimming pool builder

**Fast** - no separate pipework required

**Simple** - directly integrated, space-saving pump unit

**Individuell** - two different design panels made of stainless steel

**Uncomplicated** - motor can be dismantled while the pool is completely full ■

Live against the BADUJET Turbo Pro at the aquanale.  
Photo: Copyright koelnmesse



### BADUJET Turbo Pro . Welcome to the limit

The video for the unique premium BADUJET Turbo Pro counter swim unit can be found via the QR code or at: [badu.de](http://badu.de) | [Latest news](#) | [Video library](#)

## TRADE FAIRS 2020

Please consider our trade fair appearances when planning for the coming year. We look forward to your visit, a personal discussion and of course your interest in our products! You do not have tickets? Then request your free trade fair admission voucher from us by e-mail: [info@speck-pumps.com](mailto:info@speck-pumps.com)

**IFH/Intherm . Nuremberg, Germany**  
Hall 5, stand 5.204 . 21-24.04.2020

**Deutsche Brunnenbauertage .  
Bad Zwischenahn, Germany**  
Stand H15 . 22-24.04.2020

**Asia Pool & Spa Expo 2020 .  
Guangzhou, China**  
10-12.05.2020

**Interschutz . Hannover, Germany**  
Hall 13, stand A50(3) . 15-20.06.2020

**Interbad . Stuttgart, Germany**  
27-30.10.2020

**Piscine Global Europe . Lyon, France**  
17-20.11.2020

**GET Nord . Hamburg, Germany**  
19-21.11.2020

All Dates are subject to change.

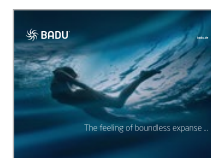
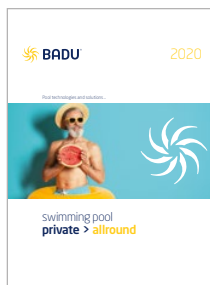
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- > SPECK domestic and industrial technology
- > BADUJET Turbo Pro  
Editions in German, English, French



Of course you can request a printed copy free of charge via e-mail: [info@badu.de](mailto:info@badu.de) or download the corresponding PDF files online.



BADU 90



BADU Prime



BADU Delta

# Pump evolution

## BADU Swimming pool pumps at the forefront of technology

When developing a swimming pool pump, the latest technologies are always incorporated in addition to a great deal of experience. Just as time does not stand still, we do not rest on our laurels, but are constantly engaged in further developing our products and making use of the latest technical advances. The focus here is on optimising the flow rate and the dynamic head, reducing the energy required and lowering the sound pressure level.

BADU 40, BADU 90, BADU Prime, BADU Gamma ... they were all cutting-edge at their market launch. Currently the BADU Delta combines the latest technical developments to be the best, most efficient and most mature swimming pool pump in our range! With the same motor power or the same energy input, it achieves higher flow rates than all others. It is not without reason that BADU has stood for innovative swimming pool technology for 55 years.

With a swimming pool pump from the BADU Gamma and BADU Delta series, you can offer your customers genuine technical added value. Plus the opportunity to save on energy costs! ■

### BADU Swimming pool pumps in comparison

	BADU 40/7	BADU 90/7	BADU Prime 7	BADU Gamma 7	BADU Delta 9
Flow rate	6.5 m³/h	7 m³/h	7 m³/h	7.5 m³/h	9 m³/h
Dynamic head	8 m	8 m	8 m	8 m	8 m
Performance P <sub>2</sub>	0.30 kW	0.30 kW	0.30 kW	0.30 kW	0.30 kW

	BADU 40/18	BADU 90/20	BADU Prime 20	BADU Gamma 23	BADU Delta 28
Flow rate	20 m³/h	20.5 m³/h	20.5 m³/h	23 m³/h	28 m³/h
Dynamic head	8 m	8 m	8 m	8 m	8 m
Performance P <sub>2</sub>	1.00 kW	1.00 kW	1.00 kW	1.00 kW	1.00 kW

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