

Lutz-Jesco Journal

Lutz-Jesco Company Newsletter, 4th Edition, September 2006

Product Innovations 2006



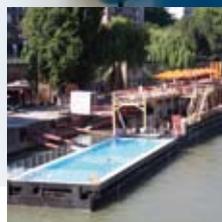
Technopool: Felsenbad Pottenstein



Interbad 2006



Pool Boat Vienna



A wealth of new products

Lutz-Jesco and Technopool expand their product line



TOPAX@ DX



Peristaltic Pump



Chlorine Gas Vacuum Switch CVS

In Autumn 2006, Lutz-Jesco and Technopool introduced over a dozen product innovations in the field of disinfection, measuring, dosing, swimming pool, and residential water technology:

Controller and Measuring Amplifier TOPAX® DX

As the next generation of the successful TOPAX® NT, TOPAX® DX controllers can be used in a wide range of applications on account of their modular design. As a wide range of sensors for water treatment can be connected directly, the TOPAX® DX can satisfy all the requirements for optimum water treatment.

The large color TFT monitor displays all information to the operator in clear text. The TOPAX® DX is easy to understand and operate on account of the clearly laid out menu navigation. The menu navigation can be switched to different languages. An integrated online help can be selected in the menu by pressing a button.

The measured data and the metering data can be displayed in the installed screen writer at different zoom levels and can be saved on an integrated multimedia card. This card can be read out at any time on a PC for archiving.

During start-up, the installer can allocate the sensors in clear text to the many different output signals and freely configure the TOPAX® DX. Following the configuration the complete connection diagram is displayed and saved in the logbook.

Peristaltic Pump

The most important service part of a peristaltic pump is the pump hose. For this reason, the pump is designed to maximize the service life of the hose and to ensure easy changing of the hose with a minimum of effort. Spring-loaded rollers protect the hose against excessive pressure when the discharge line is clogged and act as an internal safety valve. The pressure rollers also give way to deposits inside the hose. The spring can be put up and used as a handling aid when changing the hose. This procedure effectively prevents crush hazards during hose replacement.

The moistened materials are suitable for the standard chemicals used in water treatment: acids, alkalis and most of the disinfectants. Wall mounting is implemented on a flexible profile rail, also available as meter ware for series mounting of multiple pumps. A version without housing can be delivered for installation in customer-specific devices.

Chlorine Gas Vacuum Switch CVS

The supply of a dosing system with chlorine from only one bottle or battery inevitably leads to a failure of the chlorination once the supply container is empty and requires personnel to change the bottle/battery. The demand for continuous chlorination, especially in the hygienic-sensitive field of drinking water purification as well as in swimming pools calls for an operating system that requires as little maintenance as possible and offers a maximum degree of reliability. The chlorine vacu-

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Now a branch office in England

Ian Summers represents Lutz-Jesco in Great Britain



Ian Summers of Lutz-Jesco (GB) Ltd.

Ian Summers has been actively representing sales and marketing for Lutz-Jesco on the ACHEMA. Ian Summers has been UK Sales Manager for Lutz-Jesco (GB) Ltd. since May of this year, and represents our interests in Great Britain from Birmingham.

We value our working relationship and wish Ian much success!

Contact: summers@jesco.de

ACHEMA 2006 - A complete success!

For the first time, Lutz-Pumpen GmbH and Lutz-Jesco GmbH introduced themselves jointly in Frankfurt.



Shared booth in Hall 8

It was an exciting time, both before and during the fair. Indeed the efforts were rewarded: the new jointly presented exhibition booth received great acceptance by our customers and representatives. For sales and marketing of Lutz-Pumpen and Lutz-Jesco it signifies: continue on, and „Until we meet again in 2009!“



UV-System EASYDES



Chlorine Dioxide System EASZON-D



Chlorine Dioxide System EASYZON

interbad 2006 in Düsseldorf

Swimming pool technology from the finest: Lutz-Jesco and Technopool present their newest solutions.

In its yearly rotation with aquanale in Cologne interbad 2006 takes place in Düsseldorf at the end of September. On the 50 square meter exhibition booth in Hall 15, Lutz-Jesco GmbH and Technopool Schwimmbad Technologie GmbH jointly present their newest solutions for disinfection, measuring and control technology.

The new TOPAX® DX is introduced at length for the first time to the swimming pool industry. Technopool introduces its new product line for residential water technology and improvements with TechnoStar 4000, the flow through electrolysis SALT-WATER-LIGHT. All these innovations are represented in a real-world setting: a swimming pool plant room 1:1.

interbad 2006, from the 27th until the 30th September 2006.

Düsseldorf Fair

Hall 15, Booth 15.F14

Prime minister at Technopool

Christian Wulf, Prime Minister of Lower Saxony, visits Technopool's booth in Melle.



Christian Wulf with our colleague, Detlev Pallas, in Melle

In July 2006, not far from Osnabrück, practically at Technopool's front door, the „Niedersachsentag“ (Lower Saxony Day) took place in the town of Melle. Technopool delivered presentations in their booth on SALT-WATER-LIGHT technology. Prime Minister Wulf was among the visitors. He took the time for a short visit.



TechnoClean filter



TechnoCompact - UV-System with AC filter



TechnoProtect - physical softening

Continuation from page 2:

um gas switch CVS meets these demands and even operates without the need of any auxiliary power. To implement the switching operation, it suffices that the injector increases the vacuum to a value lower than the standard range due to the empty bottle.

UV-System EASYDES

Lutz-Jesco UV devices convince with their practical design. The compact devices are installed in a similar way as water filters, thus permitting a lamp change under full water pressure.

The construction is arranged according to DVGW (German Technical and Scientific Association for Gas and Water) regulations. UV sensors monitor the quality of the UV emitters. Impurities, which form a layer on the lamps, are removed by hydraulic cleaning or optionally by motor-driven brushes. The product line is completed by extensive accessories for operation and service.

Chlorine Dioxide Systems EASYZON

EASYZON provides a compact system for the onsite production of chlorine dioxide, characterized by its minimization of by-products and a high degree of product stability.

The system operates according to the acid-chlorite process in batch mode and uses commercial concentrations of hydrochloric acid and sodium chlorite. Optimum reaction conditions are ensured by level monitors and an agitator in the reactor.

Peristaltic pumps ensure reliable delivery of the chemicals in the smallest amounts and the control unit monitors each system for fulfilling its task.

Optimized reaction control ensures the pro-

duction of a highly stable chlorine dioxide solution that can still be fed without concern even after a storage time of 24 hours, because it will still meet the requirements of DIN EN12671.

Water sampling system BODYGUARD

We offer installation kits for both new and old systems to allow reliable water sampling from swimming pools. The intake opening in the pool is covered by a perforated plate with a large surface area; therefore the contact pressure is distributed over a larger surface. A flow meter utilizing a float indicates the water flow. An adjustable contact switch monitors this flow rate. In the event that the water flow is only slightly hindered, the float in the apparatus disengages a switch contact (overflow prevention sensor) that disengages the pump. At the same time, a vacuum breaker opens a vacuum detector valve and vents the water-sampling system.

Technopool's residential water technology

Technopool offers a wide-ranging and integrated assortment of residential water technology systems. The introduced specific products for filtering, water softening and UV disinfection with activated carbon of drinking/ industrial water are:

- TechnoClean
- TechnoProtect
- TechnoCompact
- TechnoRain and
- TechnoSoft

We would be happy to give you detailed information about our innovations. Contact us!

Cont@ct: info@jesco.de or info@technopool-gmbh.de



TechnoRain for rain water disinfection



TechnoSoft - softening by ionisation



water sampling station-system BODYGUARD

The City of Pottenstein decides on TECHNOPOOL

Pottenstein: a small idyllic city in „Franconian Switzerland“, nearly halfway between Nuremberg and Bayreuth. It offers several tourist attractions: rocks and dripstone caves, summer toboggan run, climbing wall, golf course, a thousand-year-old castle, and numerous hiking paths.

The historic outdoor pool, clinging to the dolomitic stone of Weiherbachtal, therefore named Felsenbad (rock spa), was transformed to a natural spa several years ago. This modern notion to take a step away from chlorine gas now continues to the indoor swimming pool as well.

The Technopool process, an inline flow-through electrolysis that employs a light salt content in pool water, is particularly suitable. It eliminates the need for handling and storage of chlorine gas and sodium hypochlorite (membrane-cell electrolysis); this brought Technopool the 5th “Deutschen Gefahrstoffschutzpreis” (German Hazardous Material Protection Award) 2002 of the “Berufsgenossenschaft für Gesundheitsdienst und Wohl-

fahrtspflege” (professional association for health services and social welfare).

The process employs a salt content of approx. 0.3 - 0.5% in the pool water. The positive effect of salt on the skin was recognized over a hundred years ago when bath salts were used in bathing tubs, or by bathing in hot springs. The tiny salt content, about 1/10th the concentration of seawater, or corresponding to half the concentration in a teardrop, irritates neither the mucousa nor the eyes.

In Pottenstein, the circulation system of the

swimming pool was initially equipped with two electrolysis cells to apply then the new process. The installation and initial start-up was achieved within 24 hours during normal swimming pool operation. Neither the measuring nor the metering technologies were altered. The system has run without failure ever since.

Here as well, the change was very well received by the public.

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Felsenbad Pottenstein / from left to right: Georg Buhl (Felsenbad), Stefan Frühbeißer (mayor), Dietmar Paßfeld (Technopool)

Badeschiff Wien, an exotic creature on the Danube – with Jesco on

In Autumn 2005, the plans of Mr. Gerold Ecker, chief executive of Expedit Handels- und Gastronomiebetriebs GmbH in Vienna, became more and more concrete: to locate a Badeschiff (pool boat) and anchor it – similar to the one in Berlin – in the center of Vienna, capital city of Austria.

Specialists from MBS-Dockyard and the company for pool-water treatment became convinced that the Viennese Badeschiff should be built by experienced specialists in Berlin, and only then to direct the completed ship to Vienna.

At the dockyard, an old barge was mounted with a supplemental steel floor. After assembly of the underwater floodlight, a circumferential channel was mounted; at this stage the linear extension and movements of the ship's body was taken into account. The logo of the principal sponsor was integrated into the swimming pool laminate. When finished, the dimensions of the Badeschiff were 6.25 x 25.0

x 1.8 meters!

The pool-water-treatment system with Lutz-Jesco measuring and dosing technology was installed in the belly of another technical boat, alongside. It consists of three levels: on the deck a restaurant was established. Access up to the second level is achieved along a wooden staircase. There is a bar here as well with a large seating capacity, from where you

can catch a splendid glimpse over the Danube Canal into the central urban area.

One of the technical challenges was compensating for the wave movements of both ships while in a loaded state and the height difference that results.

The Badeschiff has been open for swimming pleasure in the Danube since the end of June 2006.

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Badeschiff Wien: a pleasure of an exceptional kind – with Lutz-Jesco technology in its depths.