

# It's safe for swimmers to take the plunge – with ProMinent

Tailor-made complete solutions for pure pleasure in the pool

ProMinent®

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JUNI					
Wuche	Montag	Dienstag	Mittwoch	Donnerstag	
23		1	2	3	
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# Optimal complete solutions from a single source

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Water treatment in swimming pools is a complex challenge. For decades, ProMinent has been one of the leading partners for the swimming pool industry, offering a comprehensive range of solutions. Whether it is flocculation, filtration, pH adjustment or disinfection, ProMinent systems are compatible with each other and can be integrated individually. No matter whether it is for the 10-metre hotel pool, for therapy facilities or for the water park with 20 pools or more.

ProMinent provides assistance to everyone involved in the planning, building and operating of swimming pools, from the initial concept right through to successful commissioning. The objective is to design an optimal means of water treatment.

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Our systems and products provide you with the optimal complete solution – independently of the technology employed:

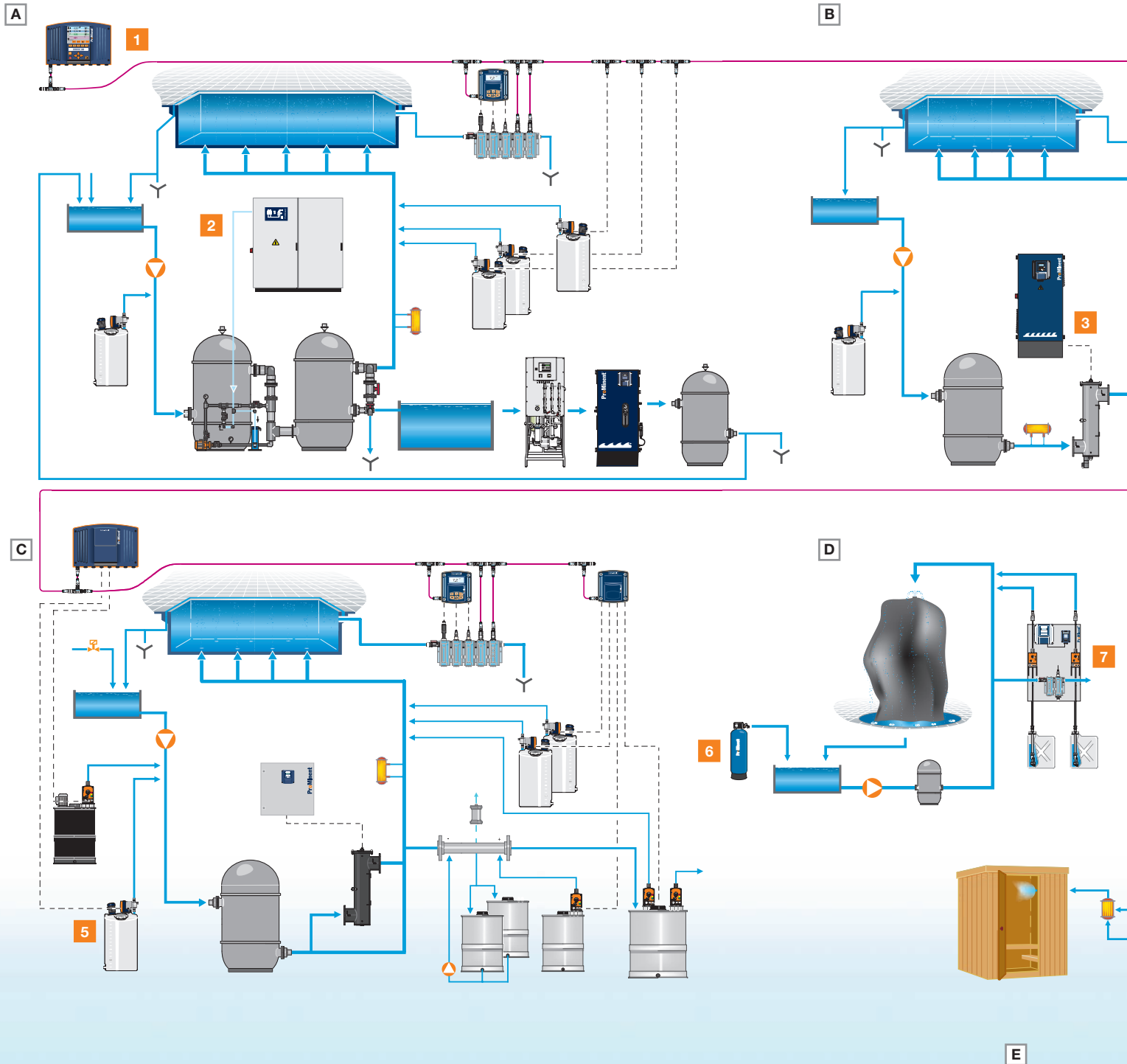
- Our products are compatible with each other. With the majority of our products being produced in-house, we guarantee the highest levels of quality
- As well as providing system components, we also enable their integration using the most up-to-date control technology
- ProMinent assists with planning: We channel our experience from projects all over the world to flow into the design of a solution
- Spare parts and customer service are available worldwide



Further information:  
[www.prominent.com/swimming\\_pool](http://www.prominent.com/swimming_pool)

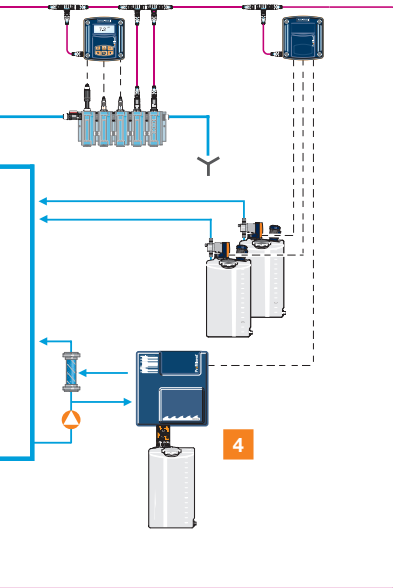
- A** Therapy pool
- B** Swimming pool
- C** Brine pool

- D** Water wall
- E** Sauna area
- F** Diving pool



- |  |  |   |   |
|--|--|---|---|
| <b>1</b> Pool controller<br>DULCOMARIN® II | <b>2</b> Ozone generator system<br>Bono Zon® | <b>3</b> UV disinfectant system<br>Dulcodes Powerline | <b>4</b> Electrolysis system<br>Dulco®Zon |
| <b>5</b> ProMinent®<br>Dosing system       | <b>6</b> Water softening system<br>DOUCEMAT® | <b>7</b> Dosing system<br>DULCOPOOL                   | <b>8</b> Peristaltic pump<br>DULCO®flex   |

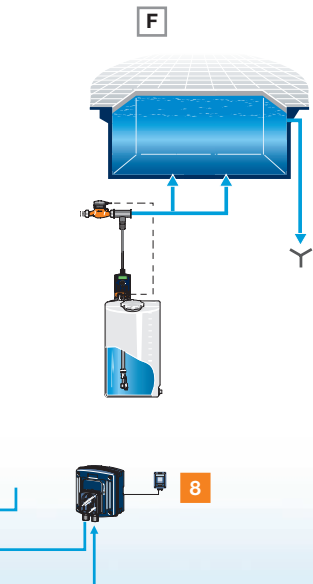
# Innovative solutions for healthy bathing



ProMinent solutions are comprehensive and integrated and offer everything you need for the treatment of swimming pool water. All products in the range, starting with dosing systems, through to disinfection and oxidation systems and finally to water softeners or peristaltic pumps, are optimally compatible.

The innovative CAN bus technology (Controller Area Network) in the DULCOMARIN® II swimming pool controller links together decentralised control units, sensors and actuators and forms the skeleton of the system. One control system regulates up to 16 filtration cycles. This enables savings on energy and water – for example, by reduced nighttime operation.

- Flocculation
- pH correction
- Disinfection using chlorine
- Oxidation and disinfection using UV light
- Oxidation and disinfection using ozone
- Softening



Further information:  
[www.prominent.com/swimming\\_pool](http://www.prominent.com/swimming_pool)



### Swimming pool controller – DULCOMARIN® II

DULCOMARIN® II takes care of the big picture. The innovative control unit controls and monitors up to 16 filtration cycles. The large colour display facilitates operation on site. The system can conveniently transmit error messages by either text message or e-mail. The smaller version, known as DULCOMARIN® II compact, determines and maintains all relevant measured variables that are important for pool water hygiene and is ideal for a single pool.



### Measuring, control and sensor technology – DULCOMETER® and DULCOTEST®

Many measured variables, one single technology. The controllers receive data from the various sensors. As well as pH, redox/ORP, conductivity and chlorine, sensors are also available for chlorine dioxide, chlorite, ozone, hydrogen peroxide and for other parameters. Interface problems are avoided with the seamless integration into a ProMinent® complete solution.



### Ozone systems – OZONFILT® and Bono Zon®

Pure water with ozone. Whether using the pressure technology of the OZONFILT® systems or the vacuum system Bono Zon®, both are dependent on the required quantity of this strongest permitted oxidising agent. The result is the purest of water for healthy, enjoyable bathing.



### UV systems – Dulcodes

Oxidation and disinfection without chemicals. UV radiation distinctly reduces levels of malodorous and irritating chloramines. Any combined chlorine is effectively eliminated. Stainless steel construction or plastic construction for brine pools available.



### Diaphragm electrolysis – Dulco®Zon

The alternative to caustic soda. Electrolysis of chlorine created from innocuous common salt on site is a highly economical alternative to other chlorine products, without the need for storage of hazardous chemicals.



# Maximum reliability thanks to component compatibility



## **Tubular cell electrolysis and diaphragm cell electrolysis**

Disinfection using sodium hypochlorite is recommended for larger pools. Diaphragm cells are suitable for any type of pool. Tubular cells are ideal for use in brine pools. Each application is individually checked to recommend the optimum solution. The disinfectant is produced directly on site meaning that a long period of storage is unnecessary.



## **Dosing systems and pumps**

It almost goes without saying: ProMinent® dosing systems and metering pumps are used everywhere where there is a need for precise dosing, such as for disinfectant, adjustment of pH values or in many other applications. ProMinent® metering pumps are the standard in every swimming pool.



## **Peristaltic pump – DULCO®flex**

The best solutions are simple: the peristaltic pump DULCO®flex is a practical and inexpensive solution for quiet dosing of disinfectants, pH adjustment chemicals or fragrances in the sauna.



## **Tailor-made dosing systems – DULCOPPOOL**

Pre-assembled and ready for connection, these dosing and control systems perform adjustments to pH values and disinfection using chlorine or activated oxygen products. Various designs and an extensive range of additional parts and accessories provide the perfect solution for any operation.



## **Softener – DOUCEMAT®**

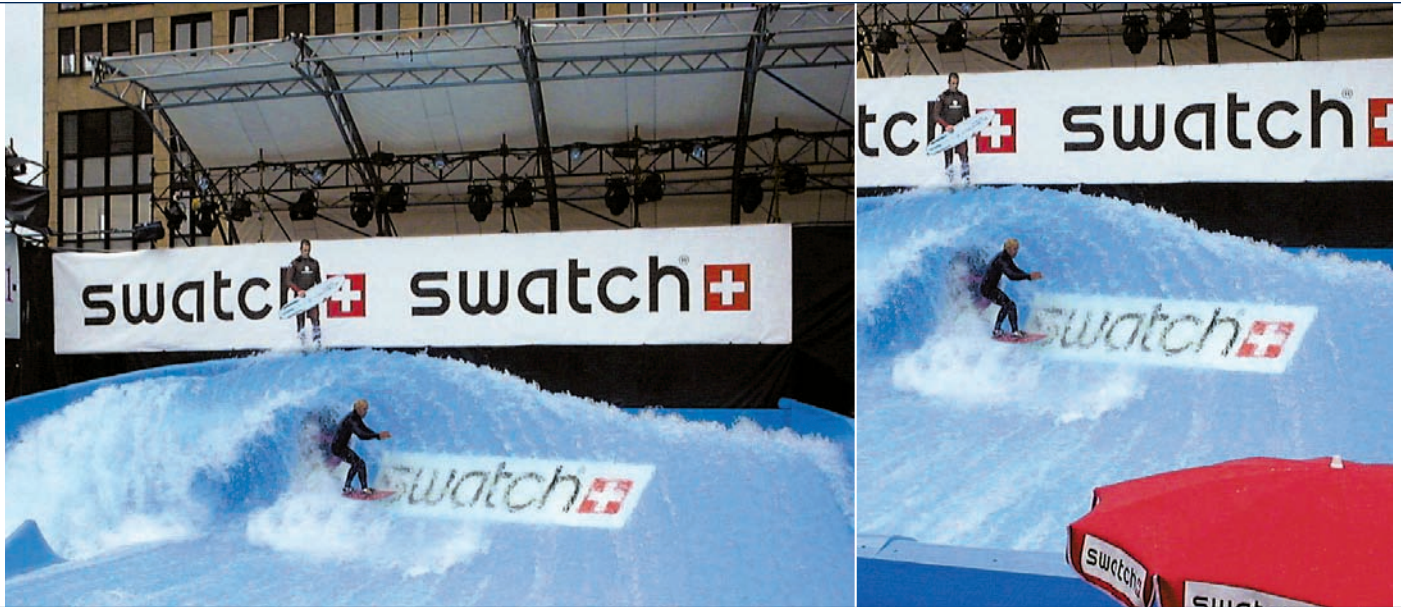
Water that is too hard will damage swimming pool systems. DOUCEMAT® water softeners take care of the technology, ensuring a long service life.



Further information:  
[www.prominent.com/swimming\\_pool](http://www.prominent.com/swimming_pool)

Reference: Swatch wave

## Surfing becomes an event



**“It was clear to us that, with a project for such a high-profile customer as SWATCH, we needed a partner for water treatment who had an equally high-profile and was reliable. The excellent cooperation with ProMinent has proved to us that we chose the right partner”**

Dr. Peter Teichmann, Managing Director API WATER FUN GmbH, Fulda ([www.apewaterfun.de](http://www.apewaterfun.de))

A surfing event travels around the world: the Swatch wave from the Swiss watch manufacturer was the culmination of a number of events held between Munich and San Diego, Florence and Dubai. ProMinent solved the problem of treating the 550,000 litres of water with a mobile complete solution.

### Challenge

- Water treatment to swimming pool quality
- Complete solution
- Transportable

### Solution

- Mobile water treatment system mounted in a 40-feet container, ready for operation
- Use of pumps, filtration, heat exchanger, disinfection

### Customer benefits

- Simple transportation of the entire Swatch wave all over the world.
- A simple water connection is all that is required for operation.



Further information:  
[www.prominent.com/references](http://www.prominent.com/references)



Reference: Water leisure centre “Wasserstadt Spandau”

## Optimal offer for health and leisure



**“I would particularly like to highlight the optimal process engineering layed out in the quotation, the reliable and professional execution of the project and also the extensive range of products and services available for water treatment in swimming pools.”**

Dirk Haubensak, Managing Director aquatik Schwimmbad-Komplettlösungen GmbH, Berlin

The water leisure centre “Wasserstadt Spandau” is a special kind of wellbeing area: it offers swimming pools, sauna, whirlpool, brine pool and more besides. ProMinent provides the perfect wellbeing experience, not only when it comes to swimming pool technology but also with scent dosing.

### Challenge

- Water treatment using state-of-the-art technology
- High levels of bather satisfaction
- Low operating costs

### Solution

- Designing a comprehensive concept together with the customer
- Customer support for process optimisation
- Use of diaphragm and tubular cell electrolysis, ozone technology, amperometric and potentiometric measuring, dosing technology, transfer pumps, visualization of data on PC, metering pumps for scent

### Customer benefits

- Planning the optimal system creates satisfied bathers
- Use of optimal technology minimises the requirement for operational staff
- Complete solution achieves synergies and cost advantages when purchasing



Further information:  
[www.prominent.com/references](http://www.prominent.com/references)

# Global service locally



We already offer our service to you even if you are not yet our customer. Our pre-sales services ensure that you get the optimum solution for your individual needs:

- **Advice in choosing the products**
- **Application and process optimisation**
- **Project planning**

However, our commitment does not end with delivery. We offer you a comprehensive after-sales service, which lasts for the entire service life of your equipment.

That maximises your productivity and minimises your operating costs:

- **Assembly/installation**
- **Commissioning**
- **Maintenance**
- **Spare parts service**
- **Repair**
- **Troubleshooting**

Thanks to our worldwide presence in over 100 countries, our service is available wherever you need it.



Further information:  
[www.prominent.com/service](http://www.prominent.com/service)

# World-wide contact



ProMinent is at home in more than 100 countries of the world. This guarantees world-wide availability of the products and short distances to the customer. We offer you the same high quality standard in products and services worldwide. For you at your location: experience and know-how in water treatment and chemical fluid handling are available world-wide.

**For detailed information, please visit our website [www.prominent.com](http://www.prominent.com)**

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