

Safety first!

The new vacuum metering system
for chlorine gas DULCO®Vaq

ProMinent®





Efficient,
economical,
safe!

Experience all the benefits of the first chlorine gas metering system **with ProMinent quality!**

Chlorine gas disinfection is finally also available with ProMinent quality – from a leading global company in the field of water treatment. With the DULCO®Vaq, ProMinent offers you a vacuum metering system for chlorine gas that combines maximum safety with maximum efficiency. Our systems reliably prevent the growth of microorganisms and thereby guarantee impeccable water quality for our customers.

DULCO®Vaq systems are available in performance classes from 0 to 200 kg/h, designed for disinfection of drinking water, swimming pool water, waste water and cooling water. Our specialists design the system individually to your specific requirements, taking into account the applicable technical rules for hazardous substances (TRGS), as well as DIN 19606.

DULCO®Vaq impresses.

In terms of price, performance and safety.



High efficiency

Chlorine gas disinfection is a particularly affordable approach to water treatment. DULCO®Vaq is compiled as a complete solution from high-grade, tried-and-tested standard components. This increases the system's durability, while at the same time reducing both operating and maintenance costs.



Maximum safety

DULCO®Vaq is designed as a full vacuum system and therefore offers maximum safety for users. The solution from ProMinent complies with all important safety standards, such as DIN 19606, BGV D5/DGUV-V 50 or BGR/GUV-R 108. In addition to this, optimally matched components guarantee operational reliability of the system.



Optimum efficiency

The name ProMinent stands for precise metering worldwide. Exact control electronics and measuring technology on the DULCO®Vaq systems also ensure efficient chlorine gas metering during both manual and automatic operation. Uninterrupted disinfection is guaranteed at all times – not least thanks to empty container detection and automatic switchover.



Impeccable water quality

Disinfection with chlorine gas excels through its efficiency and reliability, as well as the speed at which microorganisms are killed. This secures hygienically faultless and safe water quality.



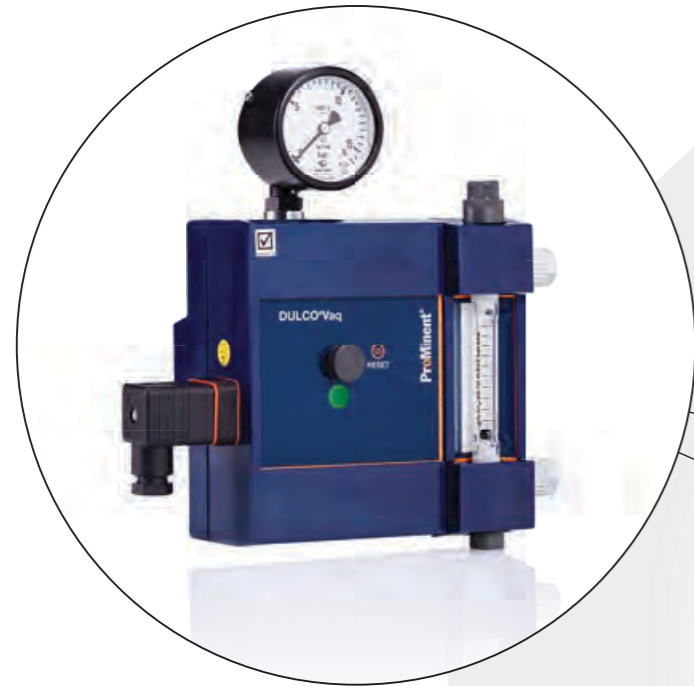
Custom solutions

The DULCO®Vaq system components are available in various performance classes from 0 to 200 kg/h. The main components are supplemented by matching ProMinent safety equipment. On request, our experts can configure custom solutions that are optimally matched to your individual requirements.

Quality and safety secure an important edge: DULCO®Vaq system components.

Vacuum switch-over

The vacuum switch-over for chlorine gas DULCO®Vaq automatically switches between two connected chlorine gas containers and thereby guarantees uninterrupted operation. The optional indicator box allows operators to see which chlorine gas container is currently in use at any time.



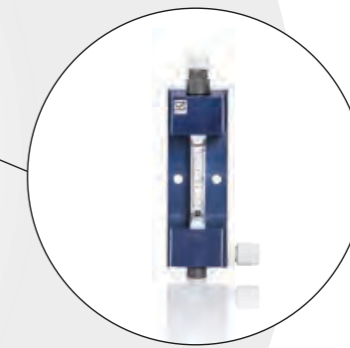
Vacuum dosing regulator

Vacuum dosing regulator for chlorine gas DULCO®Vaq for precise and efficient chlorine gas metering. With precise measuring glass for displaying the chlorine gas mass flow and empty container message.



Motor-driven control valve

Motor-driven control valve for chlorine gas DULCO®Vaq with electronic controller for precise automatic metering of the chlorine gas stream. Linear control response thanks to high-precision V-nozzle, which is adjusted via stepper motor.



Flow meter

The DULCO®Vaq flow meter for chlorine gas with integrated control valve and measuring cylinder for capacities between 12 g/h and 200 kg/h offers the highest level of measuring accuracy when setting the required chlorine gas flow.



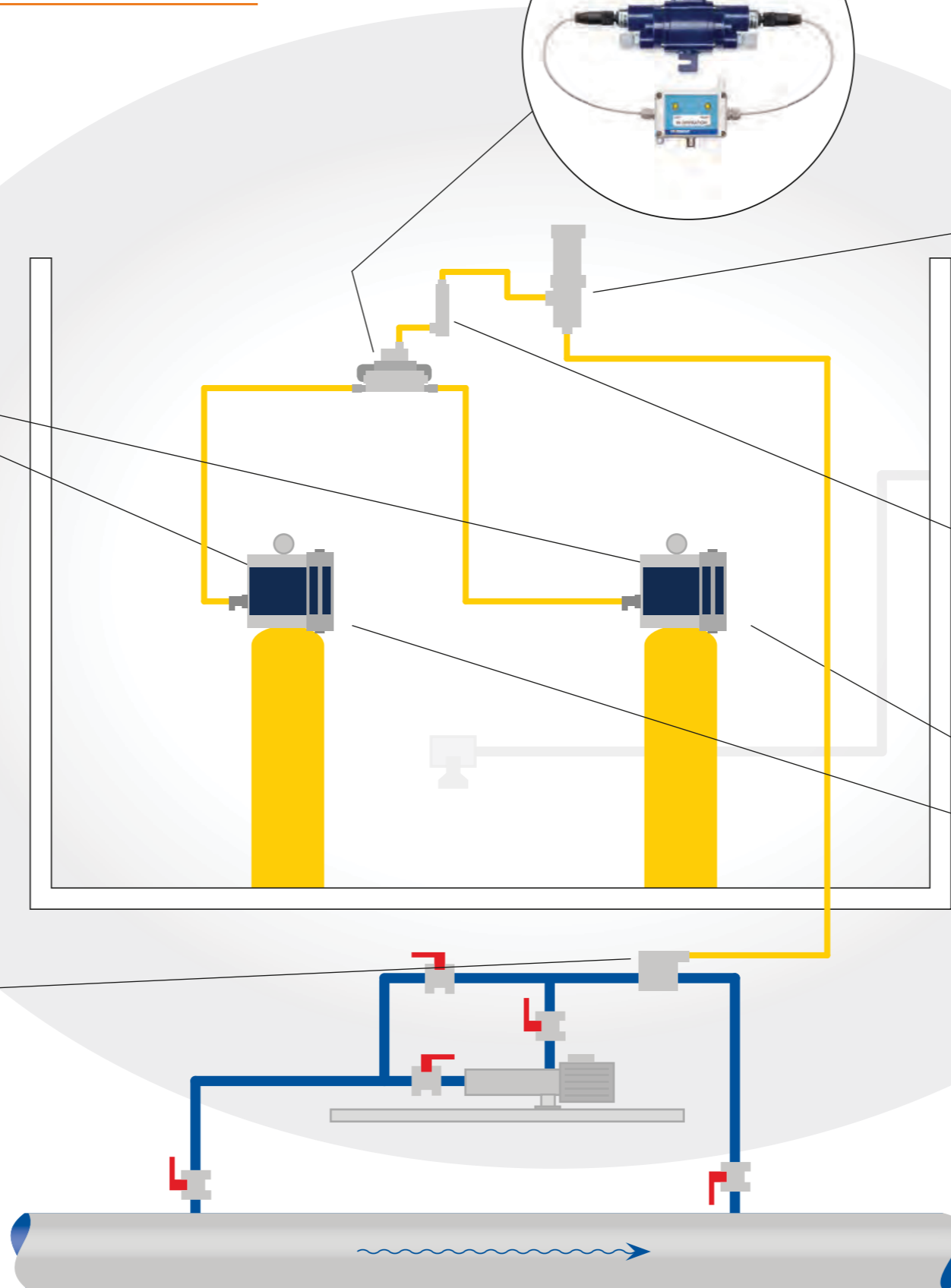
Injector with safe vacuum technology

The injector for chlorine gas DULCO®Vaq generates a constant vacuum, even at high operating pressures. An integrated non-return valve also prevents water from getting into the vacuum line and thereby guarantees long-term safe operation.



Automatic emergency shutdown system

The DULCO®Vaq emergency shutdown system is connected to the gas detector. In the event of an alarm, it ensures immediate closure of the chlorine gas valves (within 4 seconds) and thereby the best possible protection for personnel and equipment.



Offering the optimum solution requires a broad range of expertise, knowledge and experience.

ProMinent has the right solution for your disinfection task:

Since we are one of the leading providers worldwide of all processes for efficient water treatment. Chlorine gas or chlorine dioxide, electrolysis, ozone or UV light – we give you individual and system-independent advice for even higher process safety and even better water quality.

ProMinent is your strong partner in water treatment – benefit from our innovation power and solution orientation. Trust in our reliability and global focus – our experts support you!

Ready **for you.** Anytime, anywhere.



Contact Worldwide



Ready for you. Anytime, anywhere.

ProMinent is at home in around 100 countries of the world. This secures global availability of our products and enables us to provide on-the-spot comprehensive expertise in close proximity to our customers. For our solutions and services we grant equally high quality standards worldwide. And we strive daily to live up to our promise: Ready for you. Anytime, anywhere.

You can find contact details of our local branches and representative offices at www.prominent.com/locations

You can download the ProMinent app for iPad and iPhone on the iTunes App Store or at www.prominent.com/app

