



H₂ BALL VALVES



WE ARE VON SCHEVEN – BALL VALVE MANUFACTURER FOR 3 GENERATIONS.

Since 1937, we have been developing and manufacturing ball valves in Sprockhövel on the southern edge of the Ruhr area, from where we serve customers from all sectors of industry worldwide. Reliability and trust are our guiding principles in the third generation. Our materials and their combinations are as diverse as the fluids themselves.

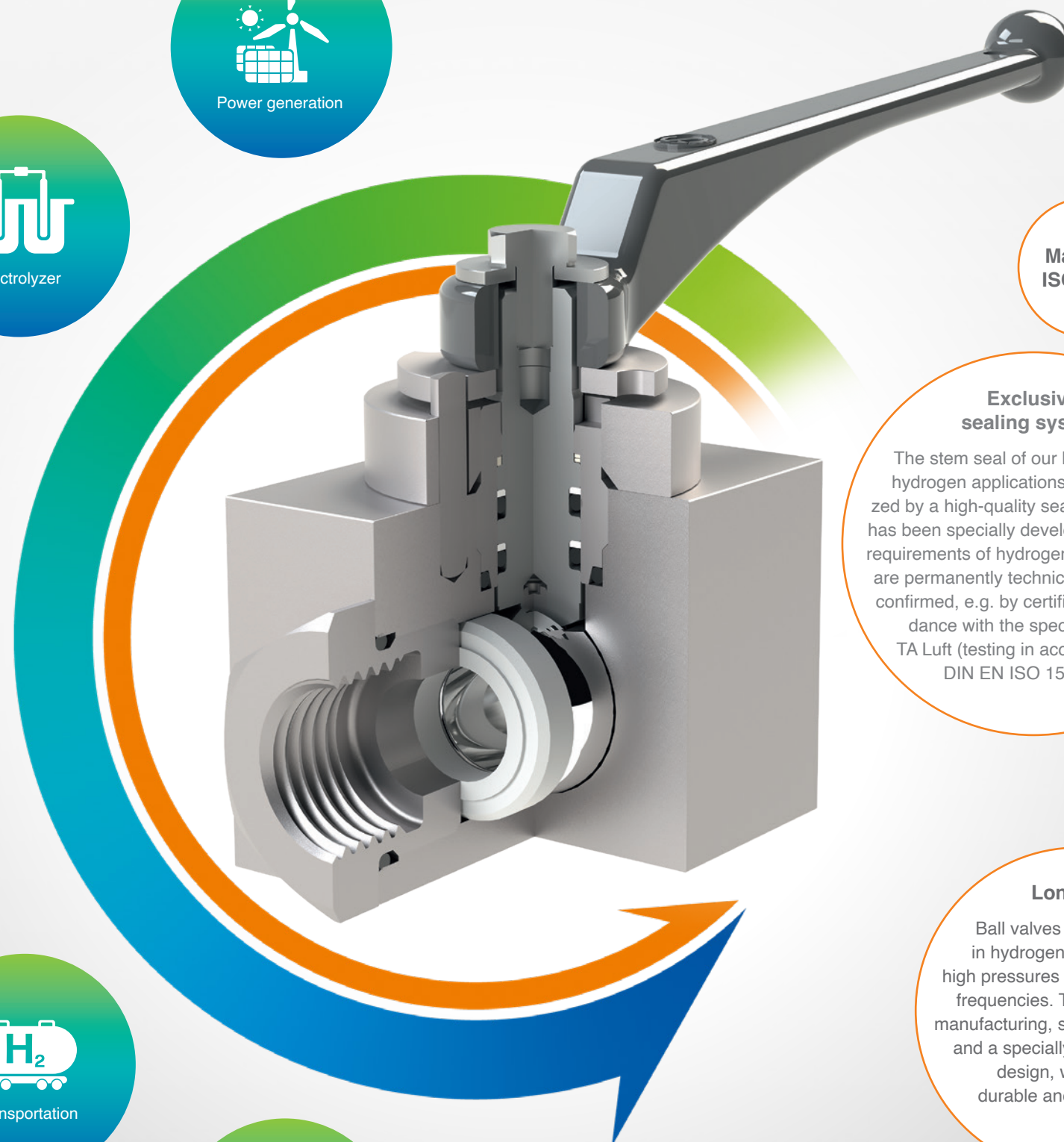
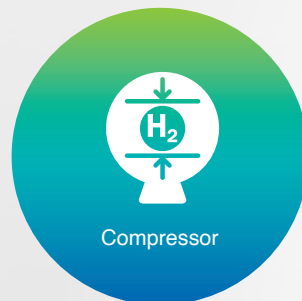
Our well-connected and experienced team of employees will be happy to advise you on all aspects of reliable shutoff technology, the physics of your specific fluids and our suitable solutions. About standards, guidelines, approvals and documentation requirements, if you wish, as early as in the planning phase.

Our methods are complex, our goal is simple: high quality, flexibility in planning and production and a good degree of innovation ensure your success.

Contact us and tell us your requirements and we will work with you to develop the optimum solution.

A handwritten signature in grey ink, appearing to read 'M. Wullstein', is positioned above the name and title.

Dr. Mathias Wullstein
Managing Director



Safety Protection against embrittlement

Hydrogen embrittlement is a phenomenon in which hydrogen atoms penetrate the structure of a material and impair its mechanical properties. This leads to increased crack initiation and possible total failure of components. Particularly high pressures and temperatures intensify this phenomenon. Hydrogen embrittlement represents a major challenge for the selection of materials in hydrogen technology.

To ensure that your system remains safe, we only use materials that are resistant to hydrogen embrittlement (e.g. in accordance with ISO 11114).

Materials ISO 11114

Exclusive sealing system

The stem seal of our ball valves for hydrogen applications is characterized by a high-quality sealing system that has been specially developed for the high requirements of hydrogen. Our ball valves are permanently technically tight. This is confirmed, e.g. by certification in accordance with the specifications of TA Luft (testing in accordance with DIN EN ISO 15848-1).

Explosion protection

Hydrogen is known for its high flammability. To prevent the risk of ignition sources in our ball valves, they are equipped with a special antistatic device that prevents electrostatic charging and thus the formation of sparks. This safety measure ensures the safe operation of our ball valves in critical hydrogen applications.

Manually operated Automated

TA Luft ISO 15848-1

Longevity

Ball valves are often used in hydrogen applications at high pressures and high switching frequencies. Thanks to precise manufacturing, strict quality controls and a specially developed stem design, we ensure a durable and reliable seal.

Certificates

DIN EN ISO 9001
DGRL 2014/68/EU
AD 2000 HP 0
TA Luft
DVGW Gas
Firesafe according to
API 607/DIN EN ISO 10497
Manufacturing facility for
VdS approved products

Manufacturer's declarations

ATEX 2014/34/EU
SIL 2






Find out more...
Simply scan the QR code

<https://www.von-scheven.de/en/>

THE **REQUIREMENT** DETERMINES THE OPTIMAL DESIGN



	Connection type	Nominal size	Pressure rating	Temperature
	with threaded connection: NPT, G, RP	DN 4 up to DN 50	PN10 up to PN100	-20°C up to 120°C
	with weld-on end	DN 4 up to DN 80	PN10 up to PN100	-20°C up to 120°C
	with flange connection: DIN EN, ANSI	DN 15 up to DN 80	PN10 up to PN100	-20°C up to 120°C
	with threaded connection: NPT, G, RP	DN 4 up to DN 50	up to PN400	-20°C up to 100°C
	with weld-on end	DN 4 up to DN 100	up to PN400	-20°C up to 100°C
	with flange connection: DIN EN, ANSI	DN 15 up to DN 200	up to PN250	-20°C up to 100°C
	with threaded connection: NPT, G, RP	DN 4 up to DN 50	up to PN600	-50°C up to 200°C
	with weld-on end	DN 4 up to DN 100	up to PN500	-50°C up to 200°C
	with flange connection: DIN EN, ANSI	DN 15 up to DN 200	up to PN250	-50°C up to 200°C

SHARING THE FUTURE WITH **HYDROGEN**!

Practice shows: Every project is different...

...which is why this brochure merely shows excerpts from our hydrogen-specific ball valve range. It is a central element of our business model to develop application-specific solutions together with and for our customers.

Our wide-ranging modular system enables us to meet a wide range of requirements. Our products can handle pressures over 1,000 bar or temperatures of several hundred °C, for example by using metallic sealing systems.

Please contact us – our sales team looks forward to hearing from you!



H2 ball valve
with threaded connection



H2 ball valve
with weld-on end

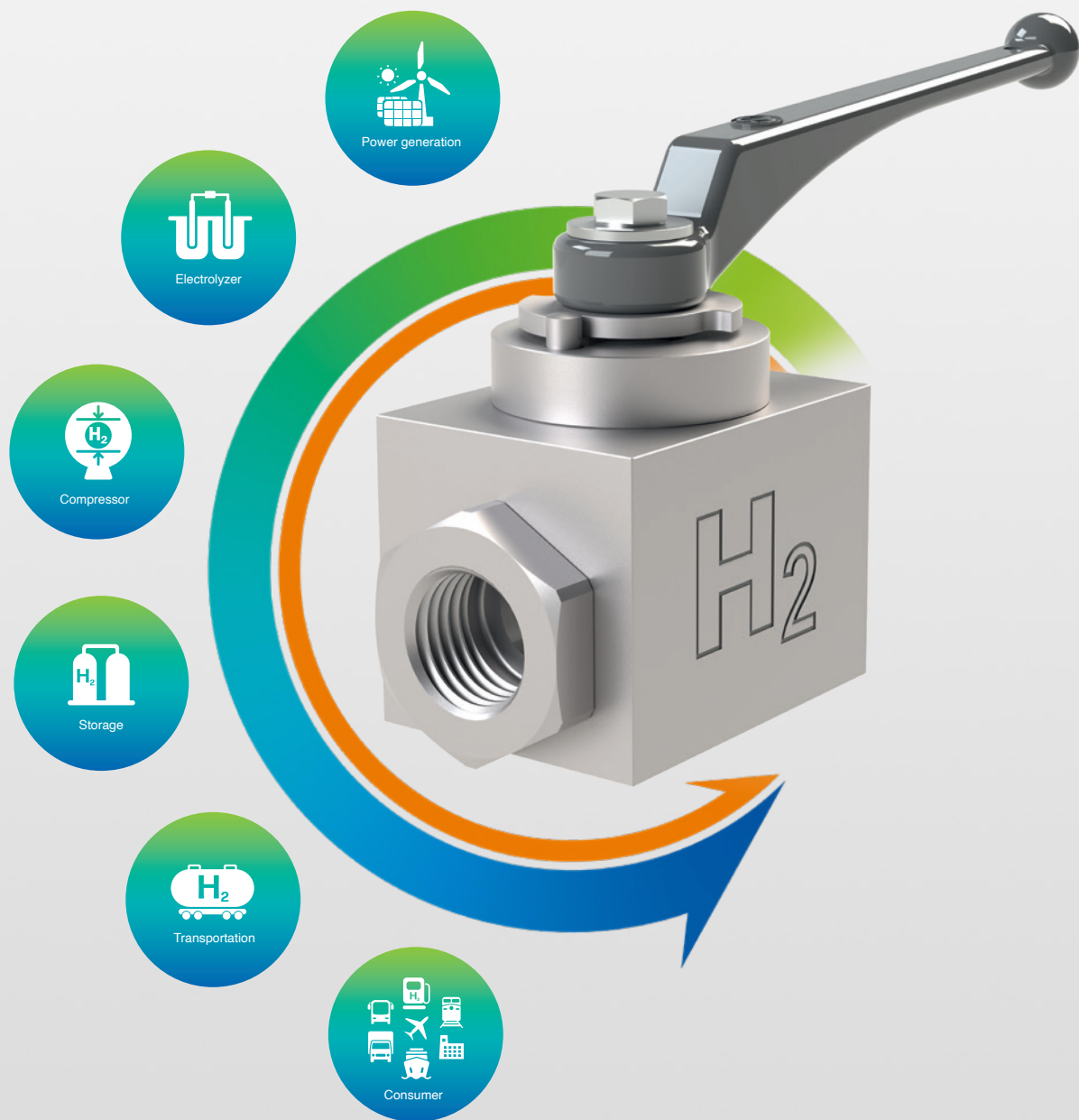


H2 ball valve
with flange connection



Simply scan the contact QR code

<https://www.von-scheven.de/en/kontakt/vertrieb/>



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