

Quality management

For high customer satisfaction

Current certification guidelines define the quality of products and production today. These guidelines and the customer's expectations of our product quality characterise the entire workflow of nass magnet. The continuous improvements, constant qualification and motivation of our employees as well as modern testing systems are further components of our systematic quality management.

Quality guarantee and quality awareness

- quality management certified to IATF 16949:2016 and DIN EN ISO 9001:2015
- focus on ISO 45001
- efficient project management by VDA standards
- extensive qualifications as per ISO 16750, VDE 0580 or customer standards

Qualifications

Your strategic partner

In addition to the know-how acquired over many decades, nass magnet offers an all-round competence from a single source that can be called up at any time and meets the market with the fulfilment of the required or desired quality, environmental and safety requirements. The range of services extends from assembly, turning shop, plastic injection moulding, tool, mould, plant and prototype construction, through testing to product adaptation to the respective customer interface.

The group offers new and advance development of customer-specific products, including basic research, project and quotation preparation as well as continuous improvements and cost optimization.

The routine manufacture of tools, early quality planning (APQP) and over 90 years of experience in the design and construction of our equipment and production plants make nass magnet a reliable partner.

All-round-competence From a **single** source

Flexibility

- flexible production and modular manufacturing concepts
- structured modular systems
- individual products and complete solutions
- high variety
- transactions of orders for small to large batches
- simulation and expertise
- testing and prototyping
- product plant construction

Services

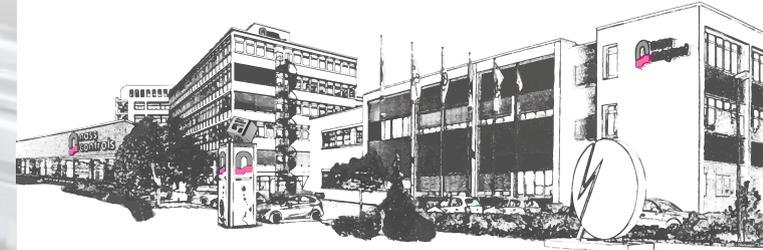
- all steps from planning to production readiness
- advice on the use of products
- excellent delivery performance and timelines

Special offer

Custom-made products and series production

Even the basic offer achieves a high level of quality due to the modular design. Structure offers a remarkable variety of variants. If your requirements once not by means of existing product portfolio, but to build on it, enables us to the group of companies offers customer-specific special solutions.

Your **contact** to us



Global Player

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Hydrogen Valve Solutions

H2ighlights of Tomorrow



Internationally known for the development and production of electromagnetic pilot valves and valves for air, neutral gases, liquids and other media as well as electromagnetic actuators for valves in the field of mobile applications. Our products are used in the automotive industry, for medical and agricultural engineering, industrial pneumatics, supply and process technology as well as machine building.

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www.nassmagnet.com



**Modular
and compact
electromagnetic
components**

Hydrogen Valve Innovation

Fuel Cells Solutions

In the ongoing evolution of energy infrastructure, emergent hydrogen technology holds a central position. As experts in valve solutions, we see ourselves not only as your strategic partner but as active co-creators of a sustainable and resilient energy future.

Together with you, we develop tailor-made solutions for a robust energy landscape of the future. With our flexible production and modular manufacturing concepts, we provide individual products, turnkey solutions, and comprehensive service covering all steps from planning to production readiness.

With the nass magnet company group by your side, you benefit from deep simulation and expertise, reflected in our prototype and trial construction, as well as in our production plant construction. Our service promises not just research and development but also comprehensive consultation on application. Position yourself with us as a partner and pioneer in hydrogen valve solutions for fuel cells.

Partnership for Change Synergy for Sustainability

Leveraging decades of expertise in solenoid valve technology and a commitment to innovation, we offer a solid platform for a collaborative partnership to reshape the hydrogen economy and accelerate decarbonization.



Why is nass magnet Strategically Investing in the Hydrogen Sector?

Industry Leader in Solenoid Valve Technology

With decades of expertise, we are masters in fluid and gas control systems.

Commitment to Sustainability

We are more than a business; we are a responsible stakeholder in the global drive toward decarbonization.

Forward-Thinking Vision

We view hydrogen as a pivotal future energy carrier and aim to be at the forefront of this shift.

Supporting National Hydrogen Strategy

We are proud to actively contribute to our country's progressive energy policy.

Our Corporate Philosophy Reflects Our Commitment

Guided by the mantra „Innovative by Tradition. Together!“, we seamlessly blend time-tested methods with future-focused innovations.

Where Do We See Ourselves in This Landscape of Opportunities?

Storage Solutions

Wherever hydrogen is stored, be it in liquid or gaseous form, a valve is essential. We provide the vital technology to make this possible.

Transportation & Logistics

For every process that involves moving hydrogen from point A to point B, whether it's in liquid or gaseous state, a reliable valve is needed. We have the expertise to deliver these solutions.

Processing & Byproduct Management

Wherever hydrogen is processed and byproducts are generated, effective valve systems are required for safe and efficient disposal. We have the technology to meet these needs.

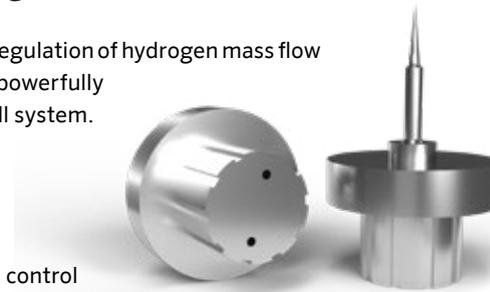
Mastering Fuel Cell Efficiency Control Valve

Enables efficient regulation of hydrogen mass flow to precisely and powerfully design the fuel cell system.

Overview Technical data

- Proportional control

Linear control Function:.....2/2 NC
Inlet pressure:12 [bara]
Outlet pressure:1 - 3 [bara]
Temperature range:.....-40°C ... +100°C
Voltage:.....12 V DC
Switching cycles:10 million



Precision Hydrogen Release On Tank Valve

Suitable for various pressure levels up to 875 bar, ideal for the targeted release of hydrogen from storage tanks as used in the 350 and 700 bar refueling technology.

Overview Technical data

Various versions:12 V DC | max. 700 bar
.....24 V DC | max. 440 bar
Valve function:.....2/2 NC
Temperature range:.....-40°C ... +85°C
Dimensions:~ 75 mm x Ø 35 mm



Efficient By-Product Removal Purge Drain Valve

Optimally suited for the removal of by-products such as pure water.

Overview Technical data

- Sample manufactured and internal testing
- Media separation
- Resistance to “aggressive” media

Valve function:.....2/2 NC
Max. Operating pressure:3 [bara]
Temperature range:.....-40°C ... +95°C
Voltage:.....12V DC
Switching cycles:24 million



Your Partner For a Sustainable Future

nass magnet is at the forefront of hydrogen innovation. Through ongoing testing of our prototypes and a broad product portfolio that covers various application areas, we are well-prepared for the hydrogen future. Our commitment is reflected in the development and implementation of your applications, aiming to set new benchmarks and drive progress in the industry.

Please contact us to realize your specifications or concepts.

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H2-Ready Product Line by nass magnet

Your Success in the Hydrogen Sector Starts Here

