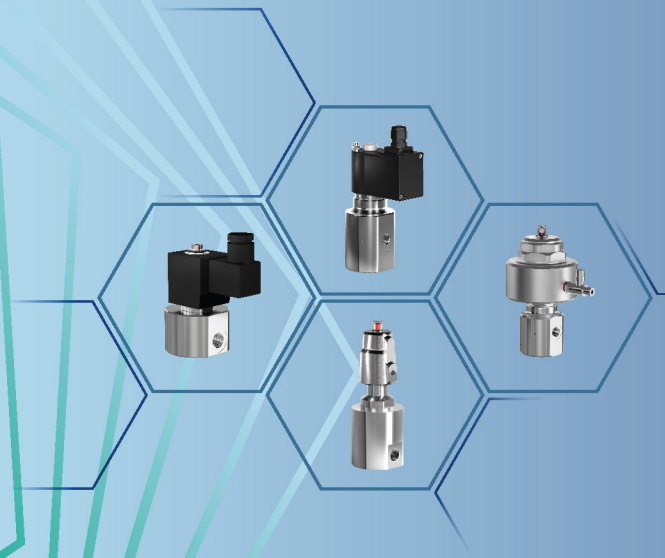


Hydrogen meets fluid experience.



Ultra- and high-pressure valves for hydrogen applications

Fluidic ultra- and high-pressure solutions along the entire hydrogen value chain are essential for the operation and safety of the systems. Bürkert as an experienced expert in fluidics offers you exactly this safety and reliability with high-pressure valves.

Areas of application

- Electrolysers
- Stationary fuel cell technology
- Test benches
- Hydrogen refueling stations
- Gas compressors
- Transportation and storage

Your advantages



80.000 Switching cycles ensure high system availability & lower maintenance costs



Hydrogen-resistant and long-lasting thanks to special coating & use of the highest quality stainless steels



Maximum safety thanks to Dynamic Sealing Package* at -40 to +80 °C (Ex up to +60 °C)



ISO 19880-3 and single piece pressure tests



Fast detection of leaks thanks to special inspection holes at sealing points



Explosion proof:
- ATEX Zone 1
- IECEx Cat. II

*Dynamischer Dichttring auf der Spindel

We make ideas flow.

bürkert
FLUID CONTROL SYSTEMS

Portfolio High pressure- and Ultra-High pressure valves

SOLENOID VALVES

Up to 500 bar



Up to 1000 bar



Up to 450 bar



	Type 6080	Type 6480	Type 6481
Principle	Direct-acting	Servo-assisted piston valve	Servo-assisted piston valve
Switching cycles	80.000	80.000	80.000
Nominal diameter	DN 0,5 ... 6,0 mm	DN 8,0 mm	DN 12,0 ... 50 mm
Media temperature	-40° ... 80°C (Ex 60°C)	-40° ... 80°C (Ex 60 °C)	-27° ... 80°C (Ex 60 °C)
Function	NC (NO)	NC	NC (NO)
Pressure range	0 ... 500 bar	5 ... 1000 bar	1 ... 450 bar
Connection	G 1/8 ... G 1/2"	G 1/8 ... G 1/2"	G 1/4 ... G 2"

PROCESS VALVES

Up to 600 bar



Up to 1200 bar



	Type 2121	Type 2111
Principle	Servo-assisted piston valve	Direct pressure-controlled valve
Switching cycles	100.000	100.000
Nominal diameter	DN 12,0 ... 50 mm	DN 1 ... 8,0 mm
Media temperature	-40° ... 80°C	-40° ... 80°C
Function	NC (NO)	NC (NO)
Pressure range	1 ... 600 bar	0 ... 1200 bar
Connection	G 1/2 ... G 2"	G 1/2 ... G 1/2"

Like to learn more Bürkert solutions for Hydrogen applications?



Contact

You have questions? Contact the expert:
Michael Hannig

Phone: +49 7940 1091512

E-Mail: Michael.Hannig@burkert.com

