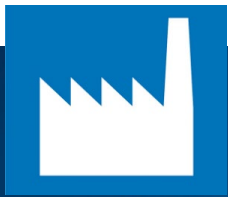


VARIOUS INDUSTRIES

Reliable and proven industrial valves for energy and hydrogen economy.





- » **SOLAR POWER PLANTS**
Green hydrogen thanks to solar energy.
- » **ELECTROLYSIS**
Power to Valve for green hydrogen.
- » **REFORMATION**
Valves for gray and blue hydrogen.
- » **HYDROGEN INFRASTRUCTURE**
Proven valves for compression, pipeline transport and storage.
- » **CHEMISTRY**
Chemistry is in our DNA.
- » **PETROCHEMISTRY**
Safe shut-off of liquid and gaseous media, high pressure and temperature.
- » **VARIOUS INDUSTRIES**
Made of steel for green steel.
- » **HEAT & POWER GENERATION**
Valves for sector coupling.
- » **MOBILITY**
An important application area for hydrogen.



Various Industries

Made of steel for green steel.



Process description

Hydrogen can not only reduce CO₂ emissions, it is also considered an effective chemical reducing agent. As such, it is used in metallurgy, for example.



H₂



In steel production, direct reduction plants can be operated with (green) hydrogen. The result is no longer liquid pig iron but a solid sponge iron which is refined into crude steel in an electric arc furnace. The reduction of metal ores using hydrogen is particularly suitable for metals such as copper for electrical engineering, which require a particularly high degree of purity.

In addition, carbon capture and storage play a key role in reducing emissions in the steel industry.

This involves the capture of carbon dioxide and subsequent storage.



Requirements

- » Handling blast furnace gas, oxygen and hydrogen.
- » Flammable, toxic and abrasive media.
- » BAM-approval.

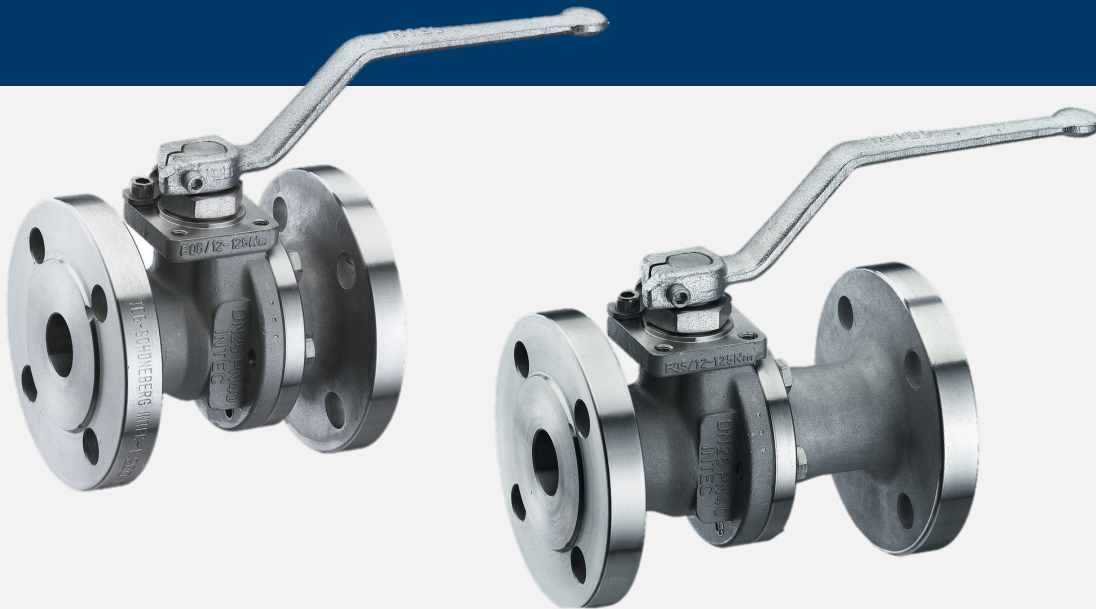
High-quality valves from KLINGER Schöneberg support the entire steel production process in order to achieve the emission targets.

Depending on pressure and temperature, the valves are designed to be soft-sealing, metal-sealing or PEEK-sealing.



INTEC K200

Two-piece flanged ball valves



Proven design with perfect technical functionality.
The ball valves are available in various material combinations and with different features.



**HAPPY TO PROVIDE
YOU WITH FURTHER
INFORMATION.**



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