

VAG Valves in the Gas Industry





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As oil prices keep rising, natural gas has become increasingly important for the supply of energy. According to the International Energy Agency, the demand for natural gas will rise most significantly compared to other fossil fuels.

In industry as well the significance of natural gas is increasing thanks to new combined gas and steam power plants. These systems ensure high efficiency in the conversion of original gas energy into electric power.

VAG Armaturen make a wide range of gas valves for medium and low-pressure applications and thus cover the entire demand of this segment. From valves for large long-distance and industrial pipelines to gate valves and ball valves up to very small valves for house connections.

Depending on the requirements it has to meet, each VAG valve can be combined with different actuators: electric, pneumatic or mechanical.

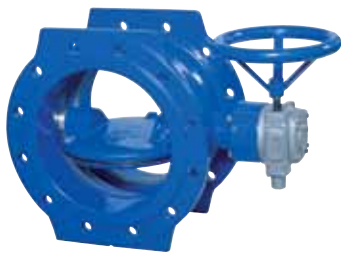


Despite the high price of natural gas, this method is highly cost-effective. At the same time, it reduces the emission of carbon dioxide into the atmosphere.

Biogas is also becoming increasingly important. It is mainly obtained by the fermentation of methane in raw materials, i.e. the fermentation of waste. Basically speaking, biogas is methane. Depending on the method of production, highly aggressive pollutants may occur in the gas, such as hydrogen sulphide. Additionally, biogas is encountered in various temperature ranges. To meet these requirements, specially designed valves are needed.

Like all valves, gas valves have to be reliable, absolutely tight and safe to operate. That VAG valves have these properties was confirmed by assessments and approvals by authorised and independent test institutes. Additionally, VAG valves are in conformance with European standards and have further important approvals, such as those by the German DVGW or by INIG, the Polish gas institute.

The entire valve range suitable for gas supply networks and gas installations is available from a single source – VAG. Thanks to this you will always receive a solution package tailored and manufactured to your individual needs – guaranteed!



VAG EKN® Butterfly Valve

Its reliability, quality and durability have made this valve an integral part of long-distance pipelines and water supply plants as well as in industrial and municipal gas and water supply networks.

Types:

- With handwheel, electric actuator, pneumatic actuator or hydraulic actuator
- Special profiled sealing ring for use in gas supply networks



VAG CEREX®300 Butterfly Valve

This compact shut-off valve is suitable for use in various process lines. Available in lugged wafer-type and end-of-line versions it can be quickly and easily used in many different ways.

Types:

- Due to customised materials used for the profiled seal, shaft and disk it is suitable for use in gas, water and waste-water applications.



VAG TERRA®-K12 Tapping Bridge

A standardised tapping bridge for all nominal sizes of PE-HD pipes. Its special round thread ensures high functional reliability and sturdiness. Its two-piece design makes it especially cost-effective.

Types:

- For use with gas and water
- Maximum tapping diameter 30 mm

VAG valves and actuators for applications in the gas industry



VAG EKO®plus Gate Valve

Besides its DVGW approval (Code of Practice G 260, "Requirements for use in gas supply networks"), its long service life and reliable function make this valve a dependable shut-off valve in all areas of the gas industry.

Types:

- With handwheel
- Prepared for electric actuator
- With electric actuator



VAG EKO®plus PE Gate Valve

Its easy connection to pipelines and its PE ends designed to be welded twice make it a versatile shut-off valve for many applications.

Types:

- Available for butt welding or socket welding

VAG EKO®plus Gate Valve, VAG JMA ALFA® Adapter-Flange Ball Valve, VAG EKN® Butterfly Valve, VAG CEREX® 300 Butterfly Valve, VAG TERRA®-K12 Tapping Bridge

Reference Projects

Gas supply networks in
Bialystok, Poland

184 VAG BETA® 300 Gate Valve
with flanges and PE welding ends



Biogas Plant,
Tecklenburg, Germany

15 VAG ZETA® Knife-Gate Valves
(handwheel and pneumatic actuator)



Gas works in Prague,
Czech Republic

3 VAG BETA® 300 Gate Valves,
4 VAG EKN® Butterfly Valves



RWE Gas Pressure Control Station
Region of Southern Moravia,
Czech Republic

2 VAG CEREX® 300
Butterfly Valves



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