

**Building+Automation:**

**Gas**



Excellence is our standard



## Excellence is our standard

This is the motto of the HORA Company, Germany's leading manufacturer of control valves and actuators for industry, energy and buildings technology. Founded in 1967, more than 230 employees today generate an annual turnover of 40 million euros with an export quota of 65%.

HORA concentrates on its core competences: development, design, manufacture and sales of innovative control valves and actuators. Customers' specific requirements are well served in both divisions: Building+Automation (B+A) and Power Technology.

HORA develops and produces valves and actuators for industry and process automation as well as for heating, ventilation and air-conditioning technology in the B+A Division. The Power Technology Division has specialised in special control valves for power station technology for more than four decades.

All activities are carried out in the Schloß Holte- Stukenbrock facility in Eastern Westphalia and supported by sales partners worldwide. HORA is an independent, second-generation family-owned company. All company profits are invested in modern equipment, product development and process optimisation.



### MX AWARD: „Recognising strengths – setting standards“

This concept is the engine of the MX Award. This award, which has been well known in Great Britain for many years, has also been conferred in Germany since 2005. The aim of the competition is to acknowledge outstanding solutions in manufacturing companies. The prize winners come from various branches where the requirement for top-class performance is identical in an international environment. Innovative solutions for top-quality products and processes have proved to be the successful way for the best companies to exploit the competitive advantages of the production location of Germany to an optimum degree in a constantly changing environment.

HORA won the award for the best manufacturing company 2008 in the „Best SME“ (Small and Medium sized Enterprise) category. Processes, which provide improved benefits for our customers, were optimised over many years by using innovative methods.

We regard this award as an incentive and we will offer our processes and our capability at a very high level in the future.



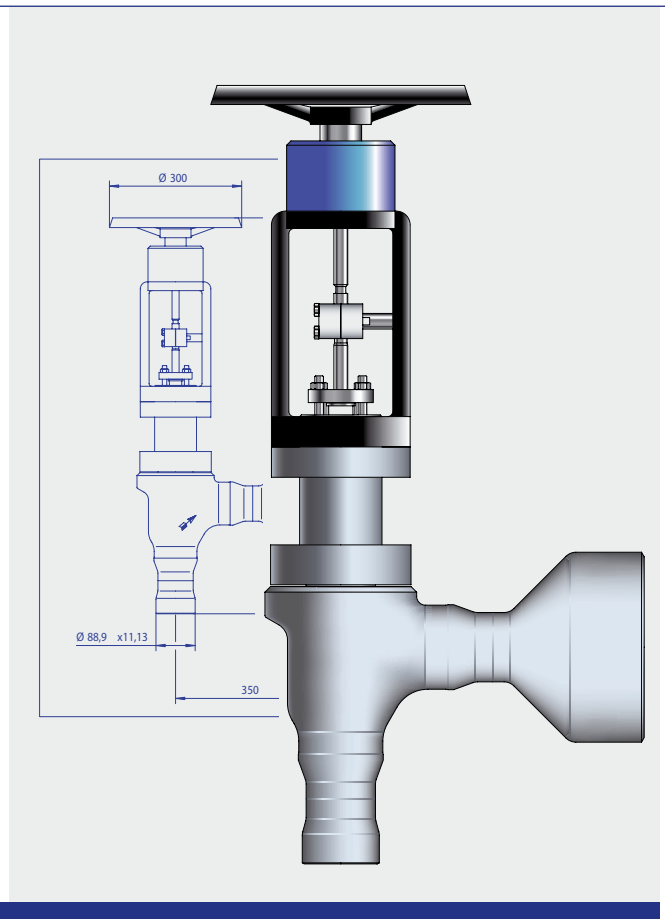
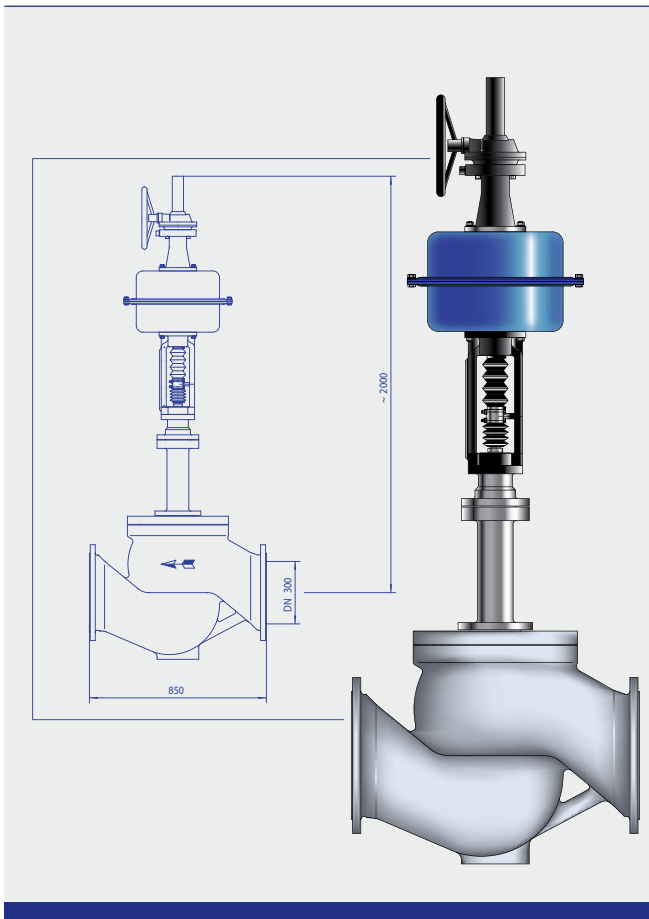


## Gas sector: competence and experience

Gas and oil industry, energy technology, chemical and process technology, machine and plant construction: numerous branches of industry have been successfully using HORA control and actuating valves for many years. We offer extensive and qualified knowledge of the respective processes and the specific requirements for control valves in gas applications. All our activities in the gas sector are focussed on providing our customers with the best possible advice.

Partnerships with prestigious customers over many years guarantee our competence and experience in the development and selection of control valves and successful project management.

You will work with competent contacts at every project phase. Employees from Sales and Development will select the most suitable valve for your application and your individual requirements.



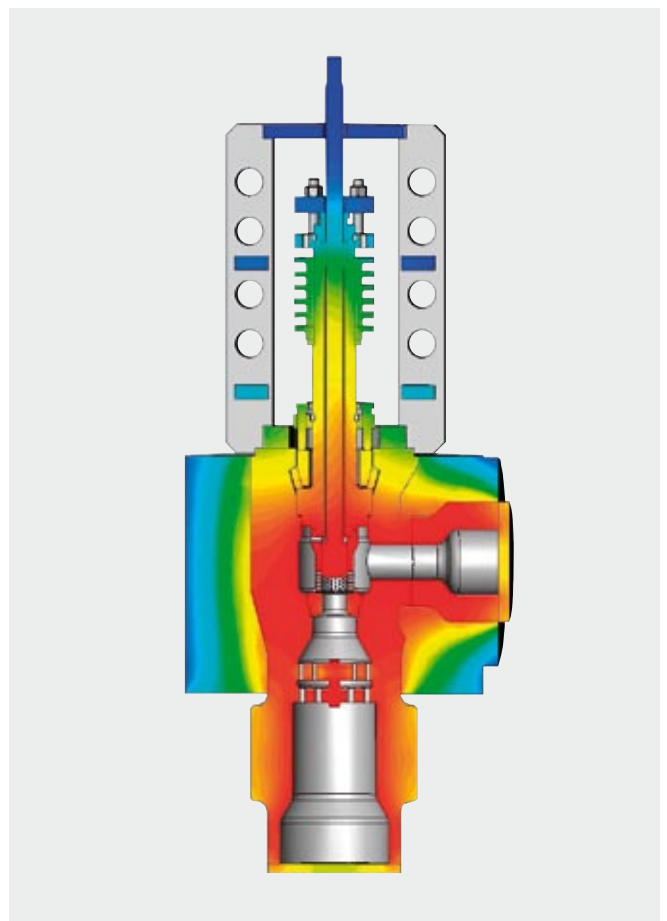
## Research and development

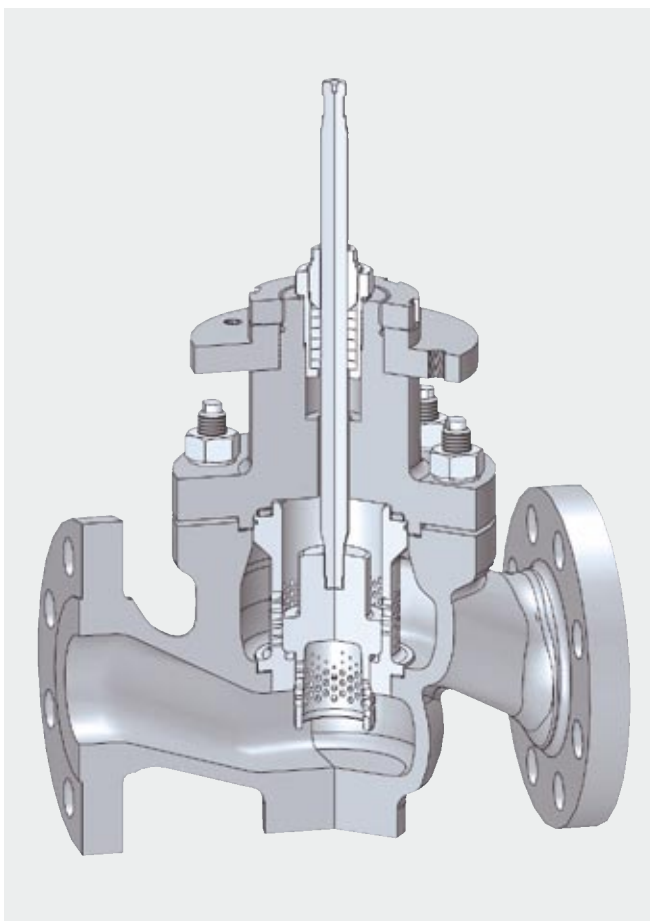
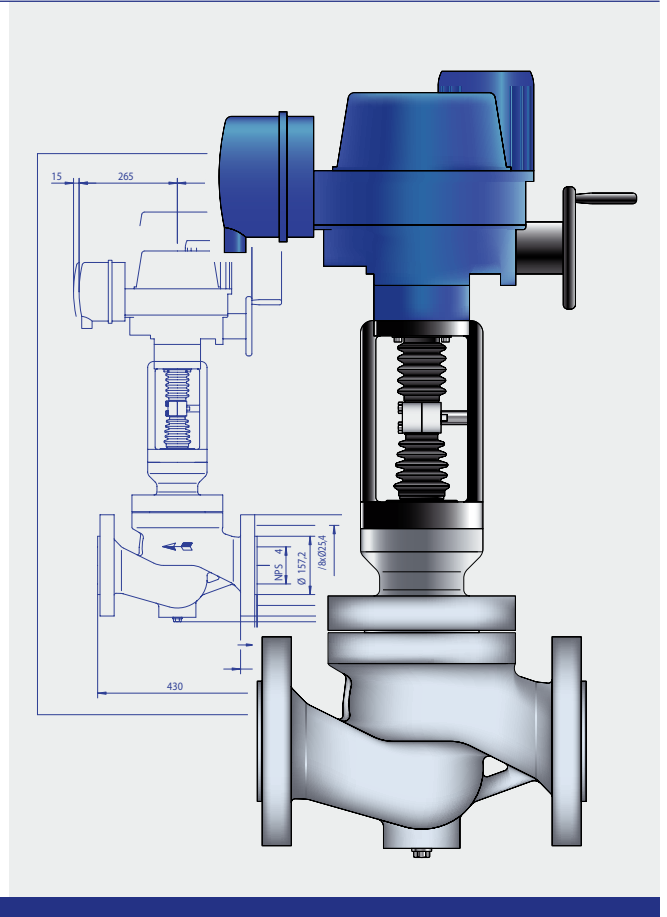
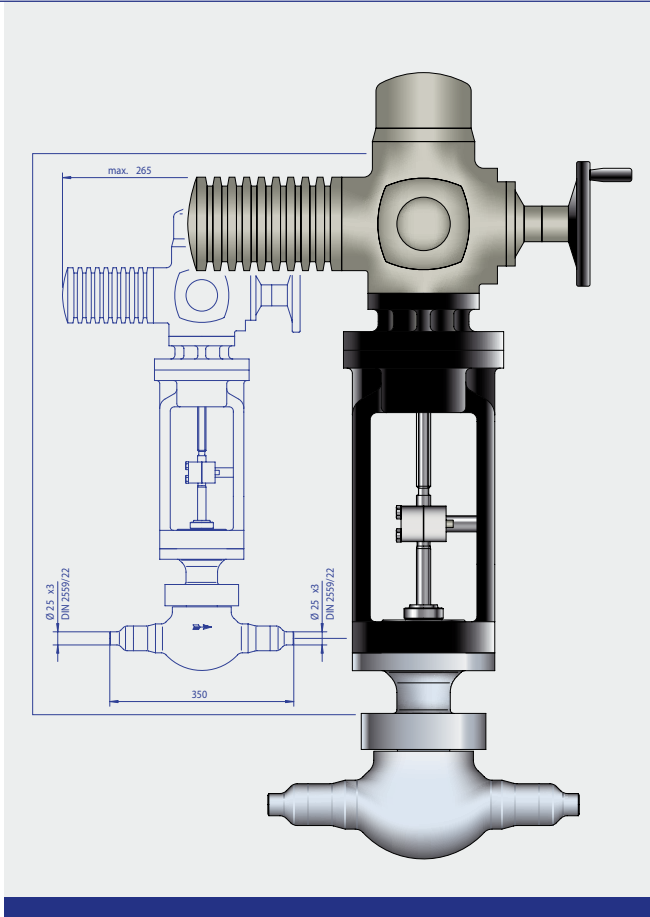
Fuels such as natural gas and biogas, gases such as hydrogen, nitrogen, ammonia or the infinite number of different gas mixes: HORA is developing the optimum solution for their control, because as varied as the different gases and their applications are, as varied are also the possibilities of controlling these media reliably and economically.

HORA control valves are the result of over 40 years' research and development and reliable deployment under sometimes very arduous conditions. Our research and development department is one of the most modern in this branch of industry. Contact and exchange of knowledge with our customers and with higher education institutions are the basis for innovative solutions. Therefore, we can react quickly and reliably to the constantly changing requirements of the market.

We have been using state-of-the-art simulation and development tools in product development in order to achieve top quality for many years. Numerical methods such as the Finite Element Method (FEM) and Computer Fluid Dynamics (CFD) and our valve test rigs developed in house are standard at HORA.

The result is innovative, reliable and safe valves and actuators from HORA.





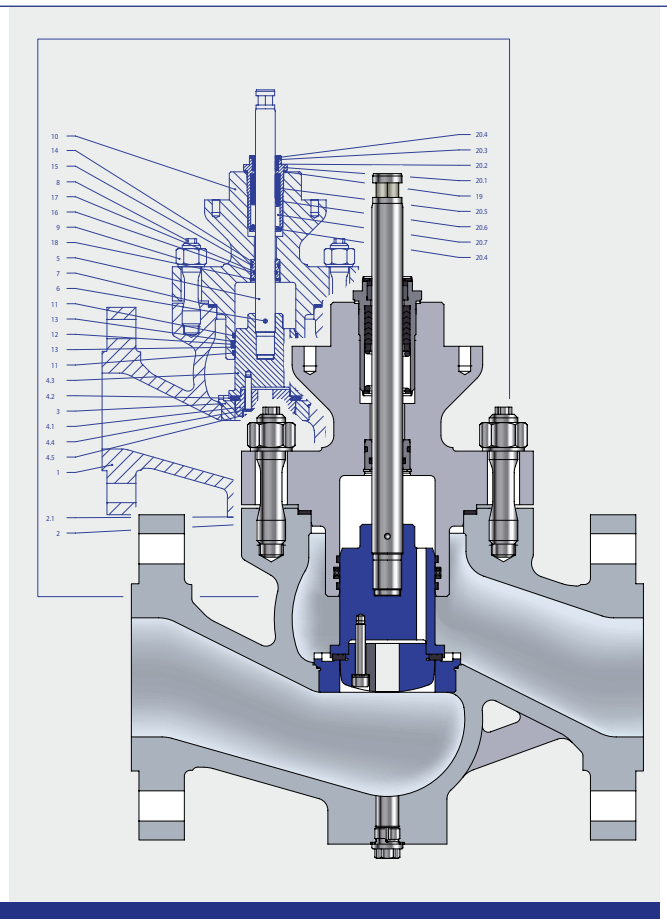
### Know-how for standard solutions using the module system and special developments

The HORA product portfolio comprises a large variety of control valve types:

- actuator and control valves
- straight-flow valves, mixing and distribution valves
- angle valves
- combined control valves with several control functions within one valve
- special valves
- a wide selection of materials
- a large selection of actuators

Besides the many possibilities of the valve module system we specialise in the development of customer-specific special control valves. Benefits and economic viability are the deciding factors in our solutions.

An example of the economic viability of HORA valves: plug-in control valves make it possible to change the valve seat and internal parts without using any tools. The advantages for the user: special tools are no longer required. This significantly reduces the service and maintenance time and minimises costs.



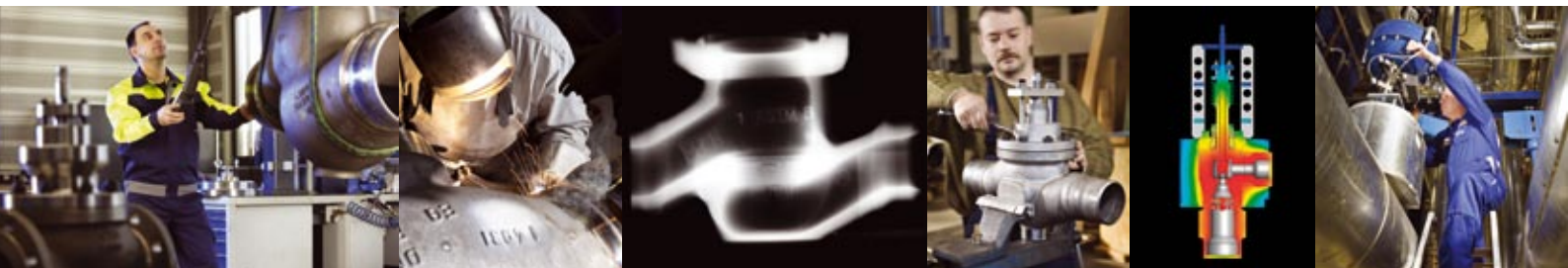
## Quality for your processes

The technical requirements for the efficiency of control valves are constantly increasing and also the quality requirements of the individual components and the associated manufacturing processes.

HORA is well versed in all the tests and qualification procedures required for the manufacture of control and special valves. A dozen test procedures are available for the manufacturing process. Therefore, we guarantee top-quality products for safe process control.

We also act in accordance with our guideline:  
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