



[atec-valve.com](http://atec-valve.com)

# **SPECIAL BALL VALVE MANUFACTURER**

**Results.**  
**No experiments.**

## RESULTS. NO EXPERIMENTS.

Following this guiding principle, we produce **high-end special ball valves** according to customer requirements. From the initial inquiry through development and design to testing and installation, the ball valve is modified to meet the customer's requirements and designed for their specific process.

With over **30 years of experience**, we are able to offer individual solutions for your projects, especially for extreme areas of application involving, for example, high pressures, high and low temperatures, abrasive wear and aggressive products.



**ATEC Armaturen-  
bau und -Technik GmbH  
was founded in 1989.**

Right from the start, we  
have specialised in the  
production of special  
ball valves!

# ATEC ARMATURENBAU UND -TECHNIK GMBH. SPECIAL BALL VALVE MANUFACTURER FROM GERMANY!

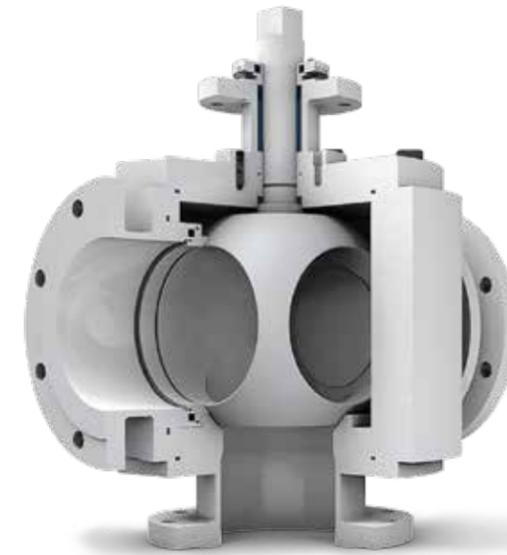


## Based in Nieder-Olm

Since the foundation of our company in 1989, we have offered a comprehensive range of industrial ball valves. We develop, design and manufacture special ball valves for the chemical, pharma-ceutical, food and cosmetic industries.

Our specialties are cavity-free ball valves with soft and metallic sealing systems as well as ball valves specially designed for extreme conditions made from special materials such as titanium and Hastelloy®.

We attach great importance to manufacturing our ball valves in-house in order to react as flexibly as possible to customer requests and to guarantee short delivery times.



## HIGH-QUALITY SPECIAL BALL VALVES MADE FROM SPECIAL MATERIALS.

### Mission

Our mission is to be an innovative, flexible partner for customers in the process industry. For specific requirements, special circumstances, unusual applications and products that are difficult to manage, we deliver ball valves made of stainless steel, nickel alloys, duplex and titanium in the shortest possible delivery time.

Your benefits:

- Longer service life
- Increased cost-efficiency
- Fast delivery of spare parts
- Fast response time in case of failures





**ONLY THE MOST  
SUITABLE MATERIALS  
ARE USED. ALWAYS  
INDIVIDUALLY TAILORED  
TO THE CUSTOMER'S  
REQUIREMENTS!**



**Exotic special materials according  
to customer requirements**

We are the specialist in manufacturing valves made of titanium, nickel-based alloys such as Hastelloy®, Incoloy®, Inconel®, Monel®, Alloy 20 etc., Duplex and many other corrosion-resistant alloys and high-temperature plastics. Thanks to a close partnership with well-known German semi-finished material manufacturers, special materials can be procured in the shortest possible time and promptly further processed in-house.



**OUR FAST-TRACK DELIVERY  
MAKES OUR SPECIAL  
BALL VALVES DOUBLY  
INTERESTING!**



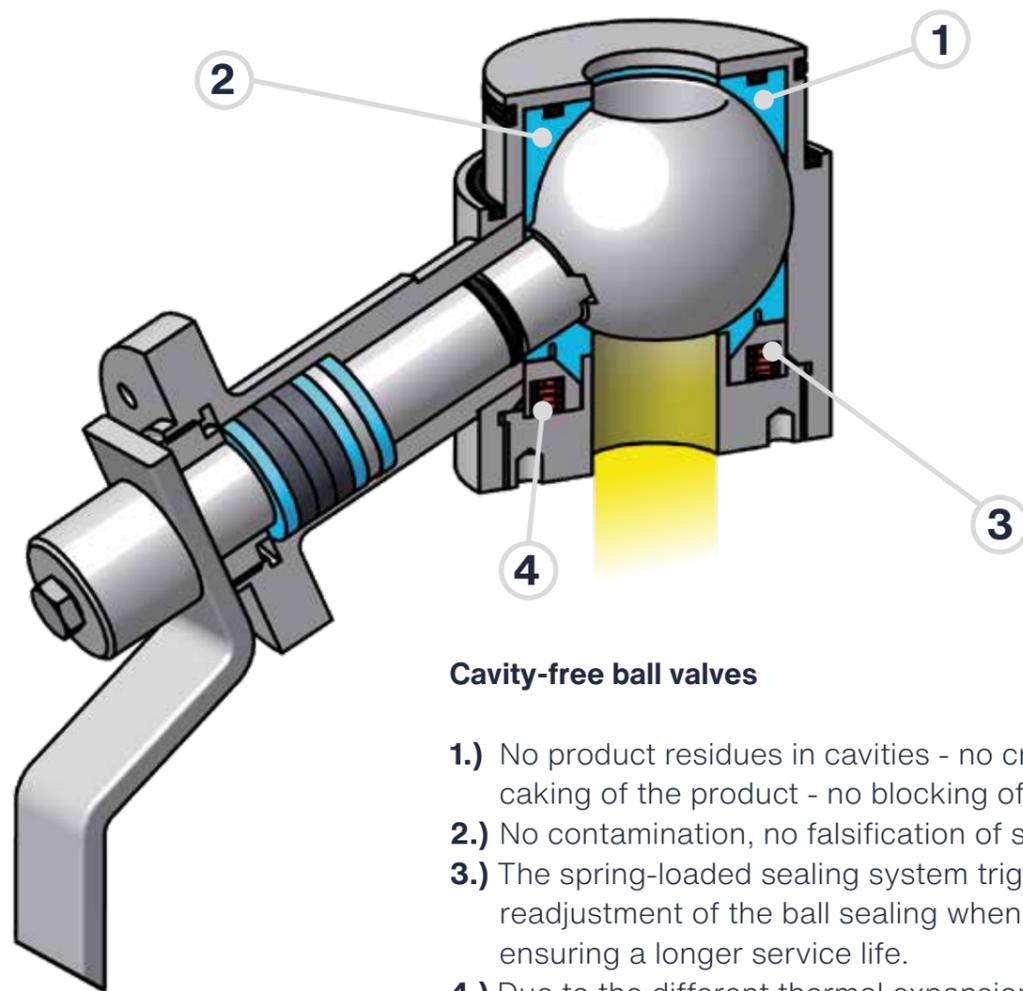
**Short delivery times for special ball valves**

Customer satisfaction is assured thanks to maximum flexibility, because all components are “Made in Germany” and are manufactured in-house, ensuring very short delivery times for special ball valves, repairs, service, and spare parts. This high degree of flexibility allows “fast-track” deliveries, for example in the event of production downtime.



## CAVITY-FREE. THE MOST CAVITY-FREE BALL VALVES ON THE MARKET!

ATEC GmbH produces high-quality special ball valves in which hardly any residual product is able to deposit inside the valve.



### Cavity-free ball valves

- 1.) No product residues in cavities - no crystallisation or caking of the product - no blocking of the ball valve.
- 2.) No contamination, no falsification of samples.
- 3.) The spring-loaded sealing system triggers a controlled readjustment of the ball sealing when worn, thus ensuring a longer service life.
- 4.) Due to the different thermal expansion of metallic materials and plastics, the spring-loaded sealing system prevents the torque from increasing and thus any blocking of the ball valve.



## OUR MARKET KNOWS NO LIMITS, WHETHER IN THE CHEMICAL, PHARMACEUTICAL OR FOOD INDUSTRY!



Chemical industry



Specialty chemical industry



Pharmaceutical industry



Agricultural industry



Food industry



Cosmetics industry

### Areas of application

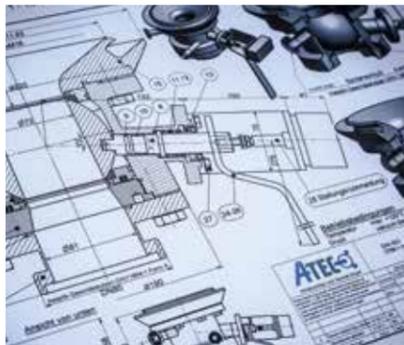
Our ball valves are specifically designed in accordance with the operating conditions, the characteristics of the medium, and the specific application in order to extend the production cycles and thus increase their cost-efficiency.

<b>Examples</b>	Chemical industry	> acids & bases, paint, solvents, powder etc.
	Specialty chemical industry	> paint, plastics, rubber etc.
	Pharmaceutical industry	> active ingredients, vaccines etc.
	Agricultural industry	> pesticides, crop protection, seeds etc.
	Food industry	> chocolate, yoghurt, milk etc.
	Cosmetics industry	> cream, powder, rouge, etc.





**WE DEVELOP & ENGINEER SPECIAL SOLUTIONS IN 2D & 3D – SPECIALLY TAILORED TO YOUR REQUIREMENTS!**



**Creating the products**

Our experienced engineers in the design department are highly skilled in designing special ball valves. ATEC creates designs with AutoCAD Mechanical (2D) and Autodesk Inventor (3D). This also ensures a very convenient exchange of data.



**WITH OUR IDEAL TOOLS AND MODERN MACHINES, WE ARE PERFECTLY POSITIONED TO SERVE YOUR NEEDS!**

**Machine tools**

Continuous investment in our manufacturing processes and machinery ensures a high level of quality, delivery reliability and customer satisfaction.

The manufacturing processes include: turning, milling, drilling, welding, sawing, and polishing & grinding.



## OUR RANGE OF SERVICES AT A GLANCE!



Turning



Milling



Welding



Repair & service



Assembly



Automation



### In-house production for maximum flexibility

The complete production process is carried out, monitored and controlled in-house. We offer a replacement option for worn out parts with a repair service at ATEC to reduce the life cycle costs. Third-party products can also be repaired and overhauled at ATEC. The automation of our ball valves is also one of our core competencies. Our ball valves can be supplied complete with actuator mounting, actuator, end position sensing and control valve according to customer requirements.



# OUR QUALITY CONTROL MONITORS THE ENTIRE PRODUCTION PROCESS OF OUR BALL VALVES!



ISO  
9001



DGRL  
97/23/EG

AD2000

## ATEC Quality

**100%** inspection before product delivery with complete documentation and serial number for traceability: Every ball valve is tested in accordance with DIN EN 12266-1 leakage rate A.

### Atec certifications:

ISO 9001: 2008, monitoring of acceptance in accordance with 2014/68/EC Module A2 Cat, II, system for transmitting the marking of materials, AD2000 HP0, AD2000 A4



# PRODUCT OVERVIEW

## OUR BALL VALVES

In addition to the models shown here, ATEC can also manufacture all its special ball valve types specifically tailored to the customer's requirements.



**Bottom outlet ball valve** Types: **BL** **BS** **ECOLINE**

DN: 15 - 350  
Cavity-free  
Low sump area  
Spring-loaded ball sealing system

 -196°C to +500°C  
 -1 bar / +40 bar



**Multiway ball valve** Types: **MW** **ECOLINE**

DN: 15 - 250  
Cavity-free  
Spring-loaded sealing system  
Sealed on all sides  
T or L bore

 -196°C to +500°C  
 -1 bar / +160 bar



**Ball valve** Types: **DG** **ECOLINE**

DN: 15 - 350  
Cavity-free  
Spring-loaded sealing system

 -196°C to +500°C  
 -1 bar / +250 bar



**Sample ball valve** Types: **PR** **PRF**

DN: 25 - 80  
Cavity-free  
Spring-loaded sealing system, Low sump area  
With screw conveyor

 -196°C to +500°C  
 -1 bar / +40 bar



**Segment valve** Types: **C** **SK**

DN: 25 - 350  
Absolutely cavity-free  
Spring-loaded sealing system, Low sump area  
Eccentric or centric

 -196°C to +500°C  
 -1 bar / +10 bar



**Compact ball valve** Types: **KO**

DN: 15 - 350  
Cavity-free  
Spring-loaded sealing system  
High-pressure model

 -196°C to +500°C  
 -1 bar / +80 bar



**Metal-seated ball valve**

DN: 15 - 350  
Cavity-free or with cavities  
Spring-loaded sealing system  
Ball valve, bottom outlet ball valve, multiway ball valve

 -196°C to +500°C  
 -1 bar / +160 bar

# RESULTS. NO EXPERIMENTS.

## Legal Notice

Image brochure

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**Results.**  
**No experiments.**

**ATEC Armaturenbau und -Technik GmbH**

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