

**AIGO-TEC**<sup>®</sup>

Pioneer in Air Valves

September 2024

# We stand for more than a century of groundbreaking ideas

## Visionary Inventions 1897 - 1919

The multi-talented Richard Steiff lays the foundation of our company with his pioneering achievements such as the teddy bear, kites for aerial photography, light-flooded production halls out of glass and steel as well as the mass production of metal parts and tire valves.



## Pioneering Work at Big Scale 1920 - 2019

We become the world market leader in tire valves for bicycles, motorcycles and cars. We are award-winning pioneers in Flash Valves, Snap-in Valves, Pressure Retaining Valves, Check Valve Caps, TPMS sensors and many other innovations. We create the ALLIGATOR brand and sell the brand and its commodity product business in 2019.



## Customer Centric Inventions since 2020

We focus on innovations under the brand AIGO-TEC. Our core products are Capless Speed Valves, Pressure Retaining Valves, Air System Connectors, Tire Mold Vents. Our start-up culture is driven by the ambition to continually find better solutions for our customers.



# We offer a broad range of products

## Core Products

### Capless Speed Valves

for all tire valves, all rims and tires and all tire-pressure management systems



### Pressure Retaining Valves

for electronic suspension systems in vehicles such as SUVs and high-end sedans, etc.



### Air System Connectors

for air pressure systems, fuel and lubrication systems, filters and dryers, etc.



### Tire Mold Vents

for ventilation of tire molds



## Other Products

### Filling Valves

for biogas plants, pneumatic tools, expansion tanks, heating systems, etc.



### Screw-in Valves

for pressure accumulators, pressure equalization tanks, pneumatic systems, etc.



### Check Valves

for fuel and coolant circuits, (compressed) air and exhaust systems, etc.



### Vent Valves

in lubrication systems, construction machinery and equipment, etc.



### Valve Caps

to prevent gradual air loss and the ingress of dust, dirt and moisture into the valve interior



### TPM Components

for a wide range of applications



### Machined Components

for applications in the automotive and electrical industries, etc.



### Vulcanized Components

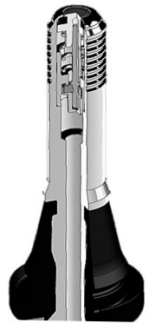
for vibration control and other applications in automotive and mechanical engineering



# Our core products have unique advantages

## Capless Speed Valves

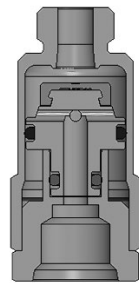
We offer tire valves that do not require a valve cap and that are therefore easier, faster and safer to use.



Patent Pending

## Pressure Retaining Valves

We offer next generation PR valves with smaller size, lower residual pressure dispersion, higher flow and less noise.



Patent Granted

## Air System Connectors

We offer connecting elements for air pressure systems with simple and robust designs in brass, aluminum and plastic.



Patent Granted

## Tire Mold Vents

We offer durable material-saving vents that reduce the abrasion of micro-plastics from tires and that increase the lifespan of the molds.



Patent Granted

# Our Capless Speed Valves foster environmental sustainability

1998



## CHECK VALVE CAP

invented

- Pressure checks and adjusts without unscrewing the cap.
- Sealed face protects against water and dirt.
- High-temperature seals prevent pressure loss even if the valve insert is damaged or dirty.
- Can be used for vans and trucks



2024



## CAPLESS SPEED VALVE

invented

- Double sealed capless technology, patent pending
- Made in Germany
- Available in brass, stainless steel, aluminum or plastic
- All valves, all rims and tires and all tire-pressure management systems
- Can be used for bicycles, bikes, cars, vans and trucks



Valve caps offer little comfort and have high operational cost

Millions of vehicles drive without optimal tire pressure

Valve caps reduce road safety, promote tire wear and fuel consumption, and thus increase fine dust pollution and CO2 emissions from vehicles

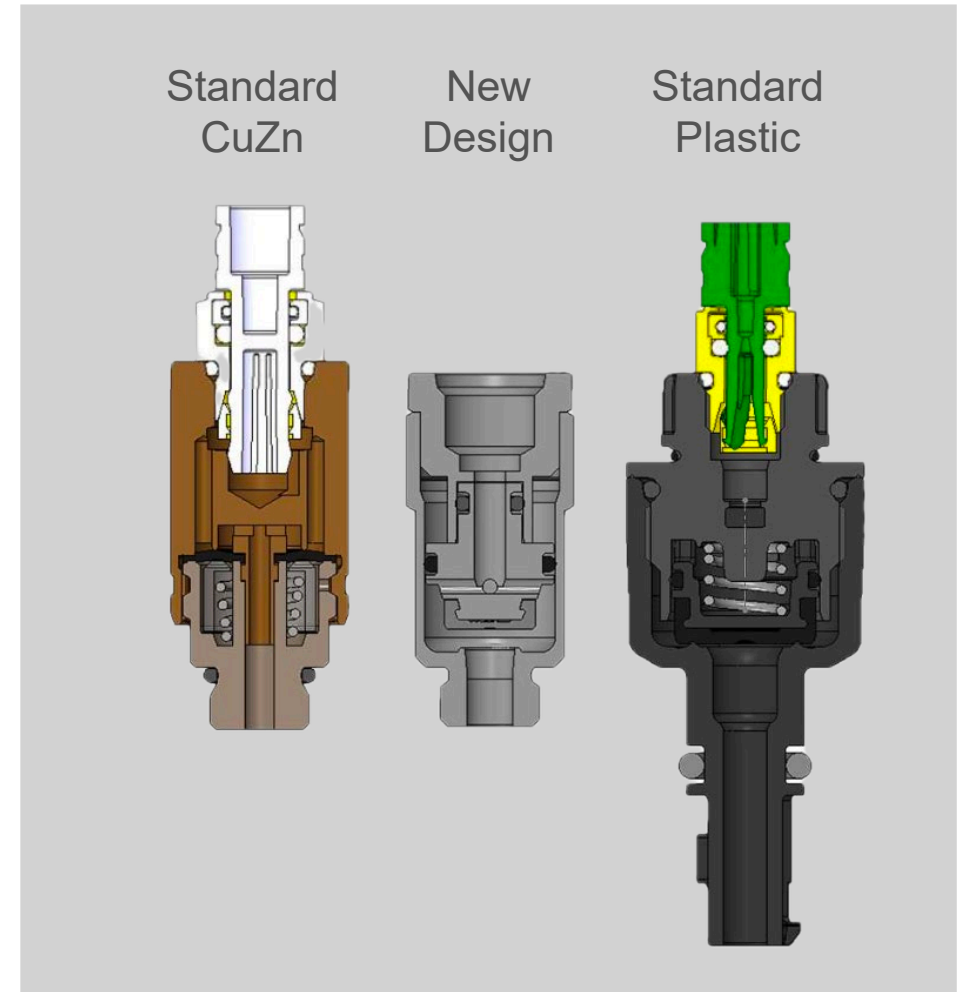
# Our Pressure Retaining Valves continue to set new standards

2003



## Pressure Retaining Valves invented

- We offer next generation Pressure Retaining Valves with smaller size, lower residual pressure dispersion, higher flow and less noise.
- Our Pressure Retaining Valves are used for air-spring seats and air suspension struts of car chassis.
- We invented the product long time ago and have been continuously developing it for over 20 years with various patents.
- Our developments are reliable, tried and tested, available in different materials and cover wide pressure and temperature ranges.

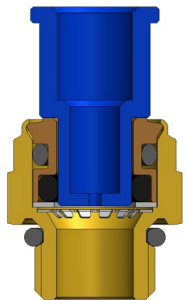


# Our Air System Connectors are in use millions of times

2015



**Air System Connector**  
invented

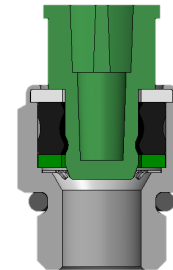


- We offer connecting elements for air pressure systems with simple and robust designs in brass, aluminum and plastic.
- Our connectors are made for air distribution systems in cars and trucks.
- We enable a permanently installed hose lock.
- Our products are 100% leak-proof (tested) and have been sold more than 1.5 million times.

2023



**Air System Connector**  
new release



- Double seal to the PA hose
- Price-performance for the mass market
- Tested according to automotive standards
- Available in different sizes and materials

# Our Tire Mold Vents (TMV) enable top quality and production efficiency

1997



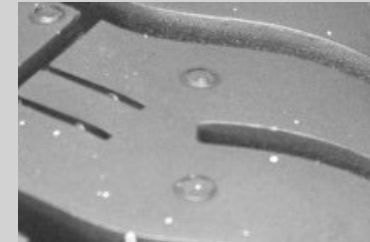
One Piece TMV  
invented

2022



Two Piece TMV  
invented

with TMV



without TMV



- Lower rubber consumption and longer cleaning intervals for molds in the production process.
- Better product appearance in the sales process.
- Lower fine dust pollution during driving.



- Valve body can be installed in the tire mold separately from the spring and pin.
- Spring and pin can be replaced while the valve body remains in the mold. This allows the use of springs with different forces, as well as customer-specific pin head contours - without exchanging the valve in the mold.
- When using mold release agents that can cause the valve to stick, it is possible to install the pin later and thus prevent the problem. When using mold release agents that are baked at temperatures of more than 350° Celsius, springs that can't stand these temperatures can be installed later.



# We operate two production sites and serve top customers

Giengen  
71.219 sqm



Nekla  
26.535 sqm



Customers  
(Selection)

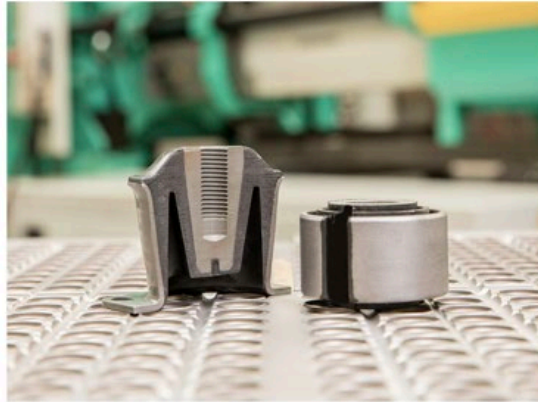
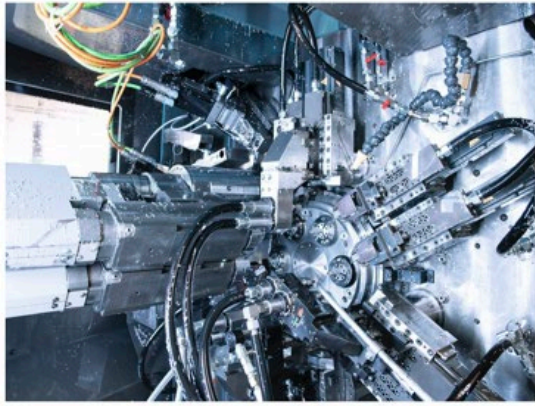
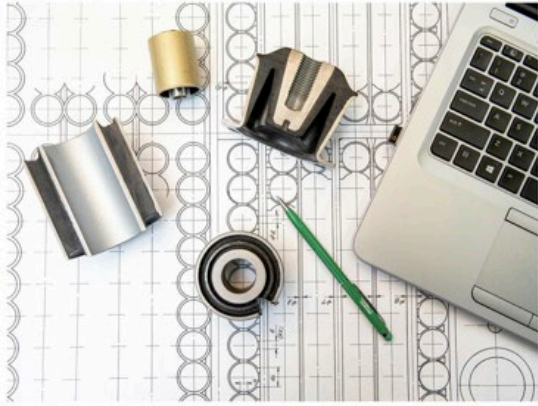
**BOSCH**



**IWIN**



**Vibracoustic**



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