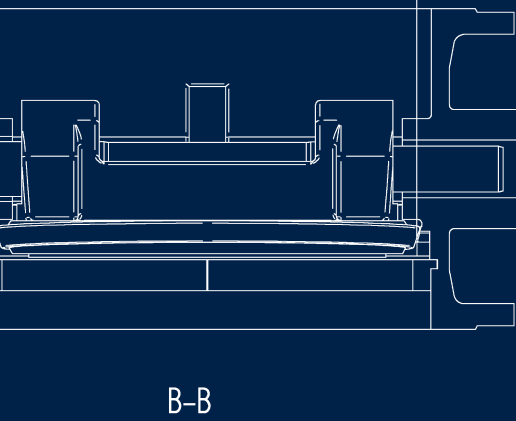
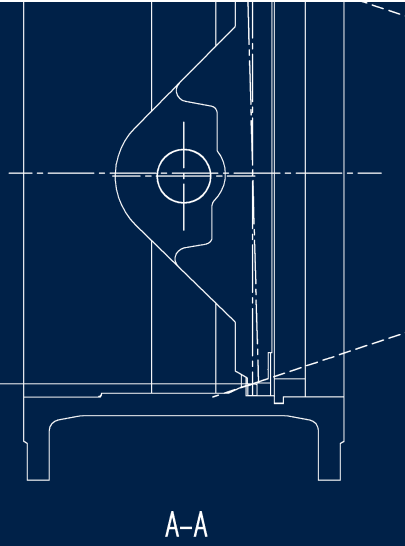
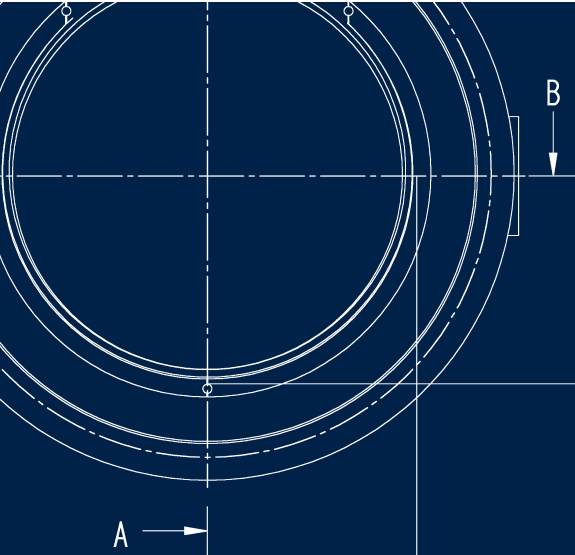




## **Customized Valves for Critical Applications**







## ADAMS – The inventor of the triple-eccentric metallic sealing system

„When I registered the first patent for the triple-eccentric sealing system in 1960, I was convinced that this was the initiation for the development of a new market. I am pleased to confirm that my conviction was well founded, and that we were able to convince the sceptics of the time. Our company has always remained one step ahead in the butterfly valves range. We plan and develop products which others still believe to be unattainable. It is not always easy to fulfil such high expectations, but it always remains a very exciting challenge.“

Karl Adams (1898–1983)

A-A

## Tradition and innovation profitably combined

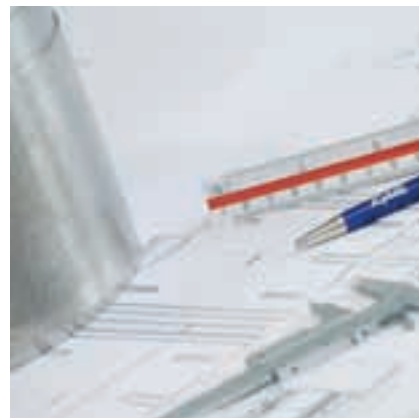
Since ADAMS patented the triple-eccentric metallic sealing system in 1960, the company has concentrated on the further development of our products. The team, also consisting of an in-house CAD design office, conducts extensive research and is continuously developing innovative and optimal butterfly valve solutions to satisfy the most challenging customer requirements. The high product quality by far exceeds the minimum requirements stipulated in the corresponding standards, as is confirmed by the ISO 9001:2000 certification and numerous other additional qualifications. Ultra-modern machinery ensures the production of high-quality valves.

### Try the butterfly

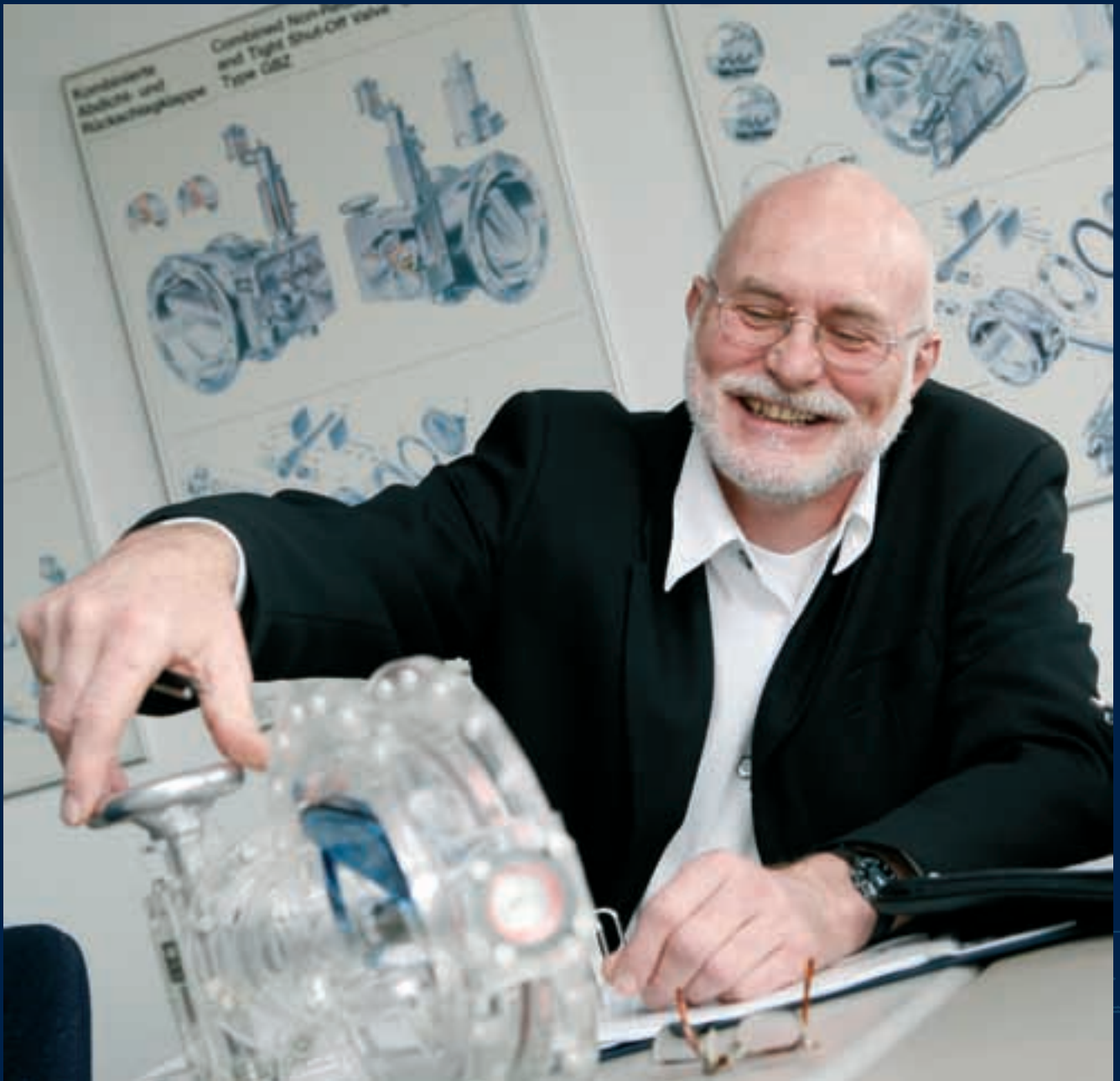
The technology of the immensely successful products from ADAMS is always backed by this self-assured requirement for a butterfly valve system that fulfils the most demanding expectations and is always up-to-date with the very latest development trends.

### Service through worldwide presence

ADAMS has become a synonym for butterfly valves of unfailing reliability and utmost quality. And this is backed by a highly efficient service based on a network of production workshops, subsidiary companies and sales agencies. For decades, personal communication with clients and partners has had the highest priority in the ADAMS company.







**ADAMS**   
*Try the butterfly!*



## The ideal solution for every requirement ...



Different requirements and application areas demand customized solutions. Optimal sealing tightness for every operation within a wide range of temperatures, pressure levels and media is a common feature of all ADAMS butterfly valves. Every product from the ADAMS company has been designed according to the most demanding quality standards so that clients can rely on the long-term unfailing performance of their valves, even in the most critical applications.

### **... and these requirements are diverse!**

The deciding factor for all industries that use ADAMS is the utmost operating reliability of these valves under the most difficult operating conditions. Full confidence is also attributable to the assurance that all products are designed and produced in accordance with internationally accepted standards such as DIN EN ISO 9001:2000, ANSI/ISO/ASQ Q9001-2000, DGRL 97/23/EC, MSS, API, ASME Code and others.





## Production range

## Tight shut-off, throttle and control valves

## Check valves

## Combined tight shut-off, throttle and check valves



## Fields of application

	HTK	MAK	HPV	OSK	WAK	DSK ASK	RZN	RZI	FCV SCV	GMZ	MAG	GBZ	AZI	GZA
<b>Power station</b>	■	■	■	■	■	■	■	■	■		■	■	■	■
Nuclear	■	■	■	■	■	■	■	■	■		■	■	■	■
Fossil	■	■	■	■	■	■	■	■	■		■	■	■	■
Geothermal		■	■		■	■								
Hydroelectric		■		■										■
<b>District heating</b>		■	■			■	■	■			■	■	■	
Generation		■	■			■	■	■			■	■	■	
Pumping station		■	■			■	■	■			■	■	■	
Transport			■	■			■	■					■	■
<b>Gas Industry</b>	■	■		■	■	■				■	■			
<b>Water / Sewage</b>		■		■	■		■	■				■	■	■
<b>Oil industry</b>		■		■	■		■	■				■	■	
Onshore-/Offshore technology		■		■	■		■	■				■	■	
<b>Chemical industry</b>	■	■		■	■	■	■	■		■	■	■	■	
<b>Petrochemical industry</b>	■	■	■	■	■	■	■	■		■	■	■	■	
Ethylene plants	■	■	■								■			
<b>Refineries</b>	■	■		■	■	■	■	■		■	■	■	■	
<b>Energy recovery</b>	■	■			■	■								
<b>Steel works</b>		■		■	■	■	■	■		■	■	■	■	
<b>Plant construction</b>	■	■		■	■	■	■	■		■	■	■	■	■
Sea water desalination		■		■	■		■	■				■	■	■
LNG / LPG		■			■									
Industrial plants	■	■		■	■	■	■	■		■	■	■	■	
<b>Sugar industry</b>		■			■						■			
<b>Paper industry</b>		■			■						■			
<b>Shipbuilding</b>		■			■	■	■				■	■		



We conduct comprehensive tests on behalf of our clients: From stringent checks with traditional measuring methods throughout all stages of production up to exceptional tests, for instance, testing at temperatures as low as  $-196^{\circ}\text{C}$  in ADAMS' own cryogenic testing facilities.



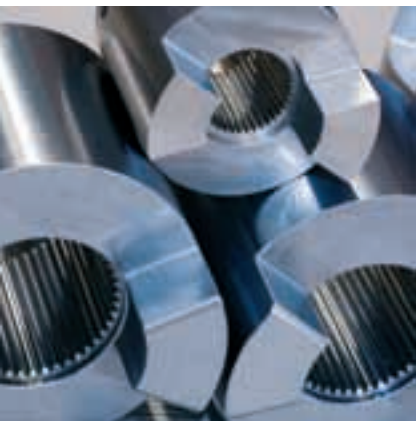




## Quality testing at its highest level

ADAMS is committed to the fulfilment of the most stringent quality demands. This includes company internal quality planning, control and supervision, internal audits and regular staff training. Another important instrument in this context is the Failure Mode and Effect Analysis System (FMEA) which is already enforced during the research and development phase to reveal and remedy potential faults right from the design phase. ADAMS has also obtained external certification since 1993 from Lloyd's Register Quality Assurance in conformity with DIN EN ISO 9001:2000. Furthermore, ADAMS also fulfils the conditions of the KTA Regulation 1401 relating to nuclear installations.

But ADAMS doesn't stop there. The company subjects all its valves to stringent case pressure, tightness and functions tests prior to their delivery. ADAMS also conducts high and low temperature tests on facilities, some of which were developed by the company.



## Always one step ahead

For ADAMS this means always remaining up-to-date and having access to the most modern tools and auxiliary facilities. This is assured through continuous process of further training for the ADAMS engineers and technicians. They achieve first-class results on the basis of the most modern 3-D CAD systems for computer-aided design and where emphasis is placed on an innovative approach.

### Room to think outside of the box

On an area of 15,000 sq.m., the ADAMS team conducts research and development work in the following areas: Mechanical manufacturing, flame-cutting and welding technology, CNC manufacturing, assembly and actuator technology. The Research & Development Technology is also housed here, and this is where the butterfly valves are designed that exceed current market stipulations. The production range covers butterfly valves in nominal diameters between DN 80 to DN 4000 for temperatures between  $-196^{\circ}\text{C}$  to  $950^{\circ}\text{C}$  and operating pressures of up to 400 bar.

The interaction of qualified personnel and modern machinery guarantees flexibility and products tailored to the specific requirements of clients.



The most modern technical equipment in conjunction with the dedication of a responsible team guarantee the production of products in the very highest quality standard.





ADAMS Armaturen GmbH  
Baukauer Straße 55  
D-44653 Herne

Telefon: 0 23 23 / 209-0  
Telefax: 0 23 23 / 209-285

[www.adams-armaturen.de](http://www.adams-armaturen.de)  
[info@adams-armaturen.de](mailto:info@adams-armaturen.de)

