

# SPECIALIST FOR INDUSTRIAL VALVES

**HERBERHOLZ**  
INDUSTRIEARMATUREN

**FOR MORE INFORMATION, PLEASE  
DO NOT HESITATE TO CONTACT US.**

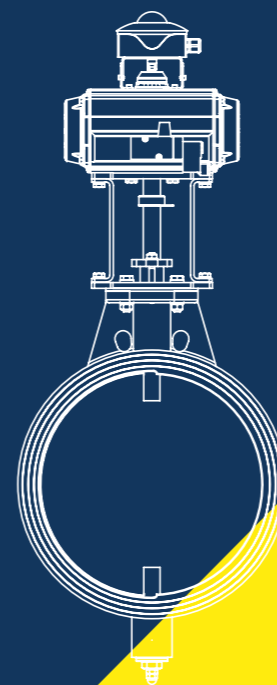
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# APPLICATIONS



## Industrial Furnaces

Herberholz butterfly dampers are used to control the flow of supply gas, or high temperature exhaust gas. Depending on the gas composition and operating temperature, it is possible to supply valves to work up to a temperature of +1100 °C. Herberholz has the ability to design valves for customers to help in the safe and efficient operation of process plants.



## Renewable Energy Technology

In cogeneration units, special Herberholz damper valve combinations are used to bypass the exhaust gas into the heat exchanger. The combustion gases require tight shut off butterfly valves with DVGW compliance and certification.



## Shipbuilding

The requirements for butterfly valve dampers in the exhaust system is an extremely demanding application. The exhaust gases from diesel engine or generator are cooled using sea water. This valve application requires the valve to be manufactured from corrosion resistant materials but also special welding processes and approvals certified by the relevant testing institutes.



## Steel Industry

Herberholz valves for the steel industry are designed to be robust and durable to provide a long service life and to cope with high switching cycles. The valves for this industry application are available with special coatings for use in applications involving coke gas as well as tar gases, dusty and/or dirty gases.



## Mechanical and Plant Engineering

In the field of mechanical and plant engineering, Herberholz works with its customers to develop individual solutions for applications with gaseous media.



## Industrial Combustion Technology

Whether it is applications involving boiler plants in power stations, or burners in furnace construction- Herberholz can offer valves for the gas supply service: namely automatic burner shut off valves in accordance with DIN EN 161 A. Another important feature and benefit is that Herberholz is able to supply these valves which are designed for up to 1.5 million switching cycles in the burner control system.



## Environmental Technology

In order to ensure compliance with increasingly stricter environmental legislation limiting gas emissions, Herberholz butterfly dampers are used in exhaust gas purification systems (scrubbers) in a wide variety of environmental emission control technologies.



## Project Management and Engineering Design Capabilities

For project tenders and projects where timely delivery is required, Herberholz is able to project manage the valve production build and work in close cooperation with the project procurement managers. In projects involving new technologies, Herberholz is able to work in close cooperation with the consultants, EPCs or end users to offer suitable valve specifications based on the operational data.



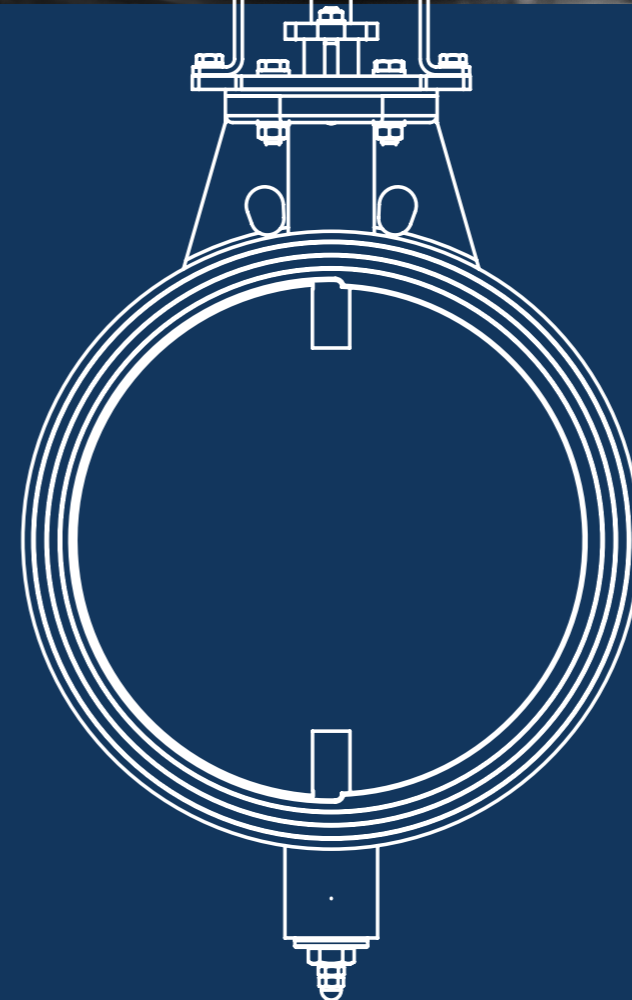
## HVAC

Herberholz supplies OEMs and EPC contractors in the HVAC industry with shut-off, throttle and control valve dampers. Herberholz products meet HVAC industry requirements for valves with certification and compliance available according to DIN 24154 and DIN EN 1092-1 up to special standards.



## Combustion Engines and Test Bench Technology

Internal combustion engines and related components are tested worldwide and these test benches use high temperature Herberholz control valves. Vibrations, high pressure, extreme temperatures in the range of -40 °C to +1100 °C are very common. Thanks to years of experience, Herberholz offers market leading solutions for valves used in engine test benches.



## ONLY ONE OF COUNTLESS POSSIBILITIES TO COMBINE OUR PRODUCTS.

**OUR SPECIALTY PRODUCTS ARE DESIGNED FOR GAS DISTRIBUTION SYSTEMS AND EXHAUST GAS SYSTEMS SUCH AS COMBINED HEAT AND POWER PLANTS (CHP), THERMAL POWER PLANTS, ENERGY RECOVERY UNITS, OR RENEWABLE ENERGY PLANTS.**

Our butterfly valves with DVGW approval and type examination according to EN 161 for fuel gases and our throttle and control dampers for exhaust gases with temperatures up to 1100 °C are used.

Whatever you require, Herberholz will offer you the most suitable technical solution that is economically cost-effective for your specific application. Whether it is gas distribution, or high temperature exhaust gas valves, Herberholz will review your requirement and based on its many years experience of and its very large installed valve base, we will offer you a qualified reliable solution.

## ON PRINCIPLE!

# BUTTERFLY DAMPERS

## ALWAYS KEEPING IT TIGHT!

THROUGH DECADES OF EXPERIENCE AND FURTHER DEVELOPMENT, HERBERHOLZ BUTTERFLY DAMPERS ARE USED WORLDWIDE BY LEADING COMPANIES WHO DEMAND TOP QUALITY

In addition to standard applications for gases and exhaust gases, we have focused on high temperature applications up to 1100 °C, as well as corrosive and dirty exhaust air from industrial processes. The modular construction system enables a flexible choice of materials. Even if a standard series does not fit at all Herberholz develops and manufactures an individual and a suitable solution for almost every application.



### HRD/HRA

DN32 – DN1400  
Up to +650 °C  
Durable design in various materials and for special applications

#### Applications:



### HRD/HRA

DN32 – DN1400  
Up to +1100 °C  
For maximum performance even at the highest temperatures

#### Applications:



### RD/RA

DN32 – DN250  
Up to +620 °C  
Lightweight construction for maximum cost-efficiency

#### Applications:



### HRD/S / HRA/S

DN300 – DN1000  
Up to +620 °C  
Lightweight construction for maximum cost-efficiency

#### Applications:



### LDKE/LDKF

DN80 – DN2000  
Up to +900 °C  
For ventilation systems with Flanges according to DIN24154  
Flanged or Wafer-type version available

#### Applications:



### FAK/FRK

DN50 – DN2200  
Up to +900 °C  
Individual design according to customers' requirements

#### Applications:



# BUTTERFLY VALVES

## ABSOLUTELY NOTHING CAN GET THROUGH HERE!

**HERBERHOLZ BUTTERFLY VALVES HAVE BEEN DEVELOPED FOR OPERATION WITH GASEOUS MEDIA.**

In this context, we pay special attention to a high service life and the lowest possible wear, in spite of the high stress due to contaminated gases.

One special highlight are the certified Butterfly valves, available in nominal sizes from DN 40 up to DN 1200 with closing times according to DIN EN 161 A. These can be used for almost all types of flammable gases.



### AK/D

DN25 – DN1600  
Up to 200 °C  
100% tight for almost all applications

**Applications:**



### AK/DVGW-SSK

DN50 – DN400  
Up to 60 °C  
With EN161 A approval for natural gas and neutral fuel gases

**Applications:**



### AK/SSK

DN50 – DN400  
Up to 160 °C  
With EN161 A approval for coke gas and other combustible gases

**Applications:**



### AK/SSK

DN500 – DN1200  
Up to 160 °C  
With EN161 A approval for natural gas, coke gas and other combustible gases

**Applications:**



### AK/V-SSK

DN40 – DN200  
Up to 60 °C  
With EN161 A approval for natural gas and neutral fuel gases Wafer- and lug-type available

**Applications:**



**FOR FURTHER  
INFORMATION**

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