



KLINGER FLUID CONTROL

With passion
for outstanding quality



KLINGER GROUP

trusted.worldwide.

As one of the world's leading quality manufacturers and suppliers of seals and valves KLINGER runs production locations, distribution and service centres in over 40 countries. We boast a track record of over 135 years. Our flexibility, know-how and pioneering spirit let our Group self-confidently face any challenge of traditional and new markets. The KLINGER brand is the epitome of technical

reliability, power of innovation and highest quality. Products and processes accurately tailored to our customers' needs allow us to meet strictest requirements in an international market environment.

€ 635 million
annual sales

In fiscal year 2023, the KLINGER Group generated sales of 635 million euros.



2,600
employees

Our global workforce amounts to 2,600 persons worldwide



80
destination countries of the Group's previous exports



18
production locations worldwide



for seals, valves and instrumentation



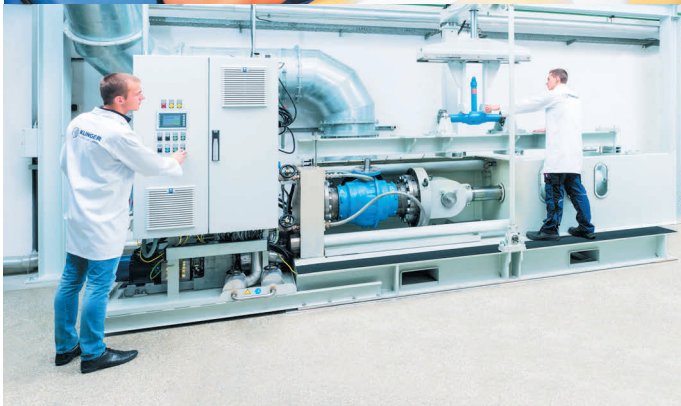
60
countries worldwide are home to a Group subsidiary or representative

KLINGER FLUID CONTROL

Today for tomorrow

As a subsidiary of the KLINGER Group, KLINGER Fluid Control has been developing, manufacturing and maintaining high-quality industrial valves at the business location Gumpoldskirchen/Austria for more than 135 years. Via the global distribution and service network, KLINGER Fluid Control offers both standardized and tailored products, services as well as solutions for customers around the globe.

Products from KLINGER Fluid Control are characterized by their high level of reliability as well as by an above average lifecycle at a simultaneously very low total cost of ownership (TCO). As a trusted solutions partner, KLINGER Fluid Control creates customer benefits with added value. In this regard, the focus is on the following core competences:



ENCOMPASSING SERVICE

- » Application expertise
- » Product trainings
- » Fast quotation and order processing
- » Customer-specific special solutions
- » Supply of spare parts
- » Valve maintenance
- » On-site technical support

INNOVATIVE SOLUTIONS

- » State of the art development tools
- » Product development for different areas of application
- » Customer-specific special solutions
- » Automation solutions
- » Product tests in the company-own technical center
- » A wide range of certificates and approvals

OPERATIONAL EXCELLENCE

- » Flexible production
- » Transparency in the supply chain
- » Short delivery times
- » ISO 9001 certified quality
- » ISO 14001 as well as EMAS certified environmental management system

PRODUCT OVERVIEW

Ballostar® KHI ball valves

» 06

Ballostar® KHA ball valves

» 08

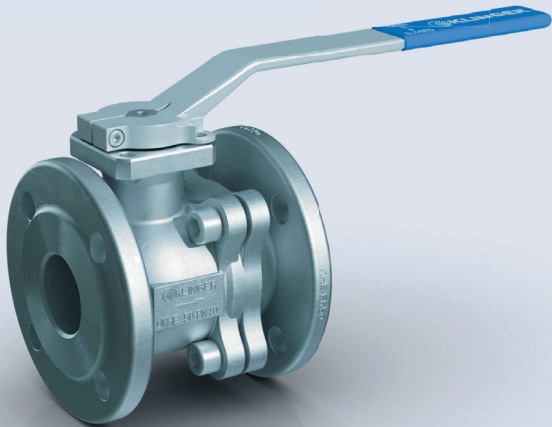


Ballostar® KHE ball valves

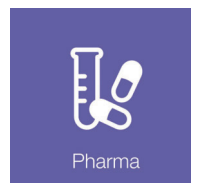
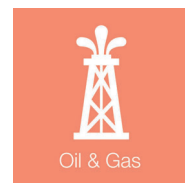
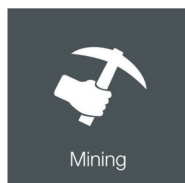
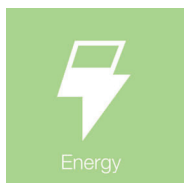
» 10

Monoball® KHO ball valves

» 12



APPLICATIONS





KVN piston valves

» 14



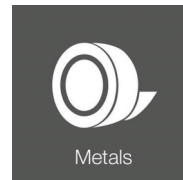
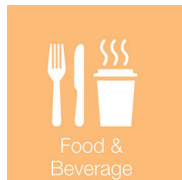
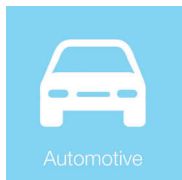
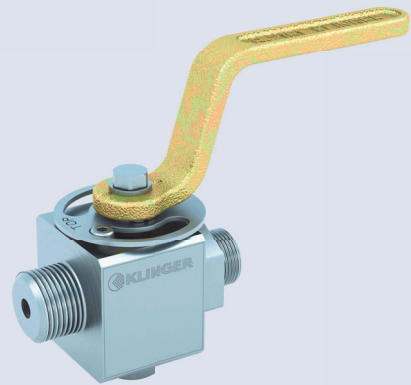
Gauge glasses

» 16



AB-cocks

» 17



BALLOSTAR® KHI

Decades of reliability guaranteed

BALLOSTAR® KHI

KLINGER Ballostar® KHI ball valves will keep up with stricter requirements and are assured to already meet future standards with regard to tensile, compressive and bending stress. Its unique sealing system is another feature of Ballostar® KHI. The test and drain valve welded to the ball valve housing allows the pressure to be relieved intermediately while the ball is closed. The key benefit of this feature is that Ballostar® KHI can be leak-tested at any time without having to open the pipeline. These ball valves are fit for many different applications such as underground district heating trenches, buried pipelines, co-generation power stations, pump stations, steelworks, hydroelectric power stations and tunnel boring machines.



PRODUCT ADVANTAGES

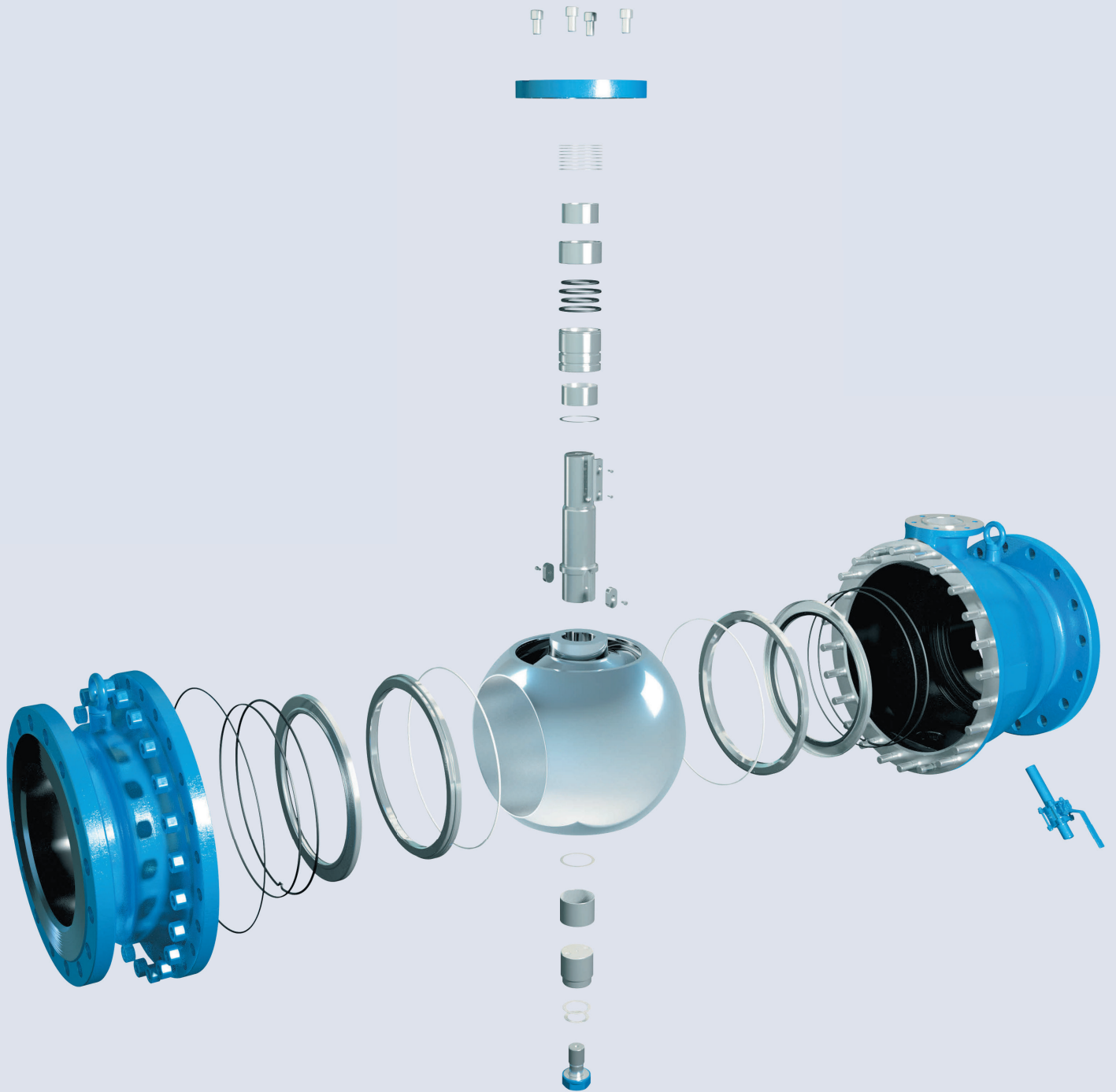
- » Maintenance-free
- » Supports pressurisation on either side
- » Trunnion-mounted ball with cylindrical full-passage duct
- » Bidirectional sealing to EN 12266 – leakage rate A
- » Sealing elements protected against surge pressure
- » Double block and bleed with intermediate venting (TÜV-certified)
- » Highly resistant to piping forces
- » Tested and certified to EN488:2019 (VVS)
- » Subsequent automation possible at any time (top flange to EN ISO 5211)

SPECIAL TYPES

- » High temperature version (up to +260 °C)
- » Special design for tunnel boring machines
- » Pre-insulated design for underground installations (KHSVI VVS)
- » Metal seat for abrasive media
- » Oxygen version
- » Fire Safe version
- » Vacuum version
- » Gas version
- » Oil, grease and silicone-free

PRODUCT DETAILS

PN	16/25/40
DN	150 – 1000
Material	Cast steel, corrosion-proof and acid-proof cast steel, special materials upon request
Temperature	-45 °C to +260 °C
Design	Flanges, welding ends, fully welded (KHSVI VVS), reducing cones, full and reduced bore
Type	Two-piece ball valve KHI / KHSVI Single-piece ball valve KHSVI VVS



Ballostar® KHI » Screwed design with flanged ends

BALLOSTAR® KHA

Multi-talented for many applications

BALLOSTAR® KHA

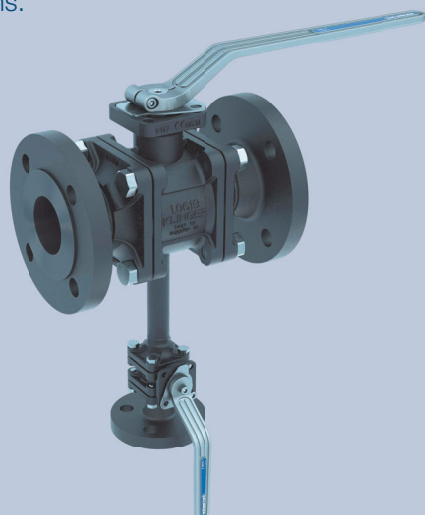
KLINGER Ballostar® KHA ball valves consist of a modular construction kit which results in a great multiplicity of versions. Different link-up options can be combined and several types of sealing elements and shaft seals installed to ensure that the Ballostar® KHA series ball valves are general-purpose devices for almost any application.



stainless steel version

BALLOSTAR® KHA DBB

As opposed to the floating design, the three-piece ball valve is in this case trunnion mounted. This construction alternative improves durability, enabling the ball valve to guarantee optimal functionality and operational safety even under the most demanding conditions.



PRODUCT ADVANTAGES

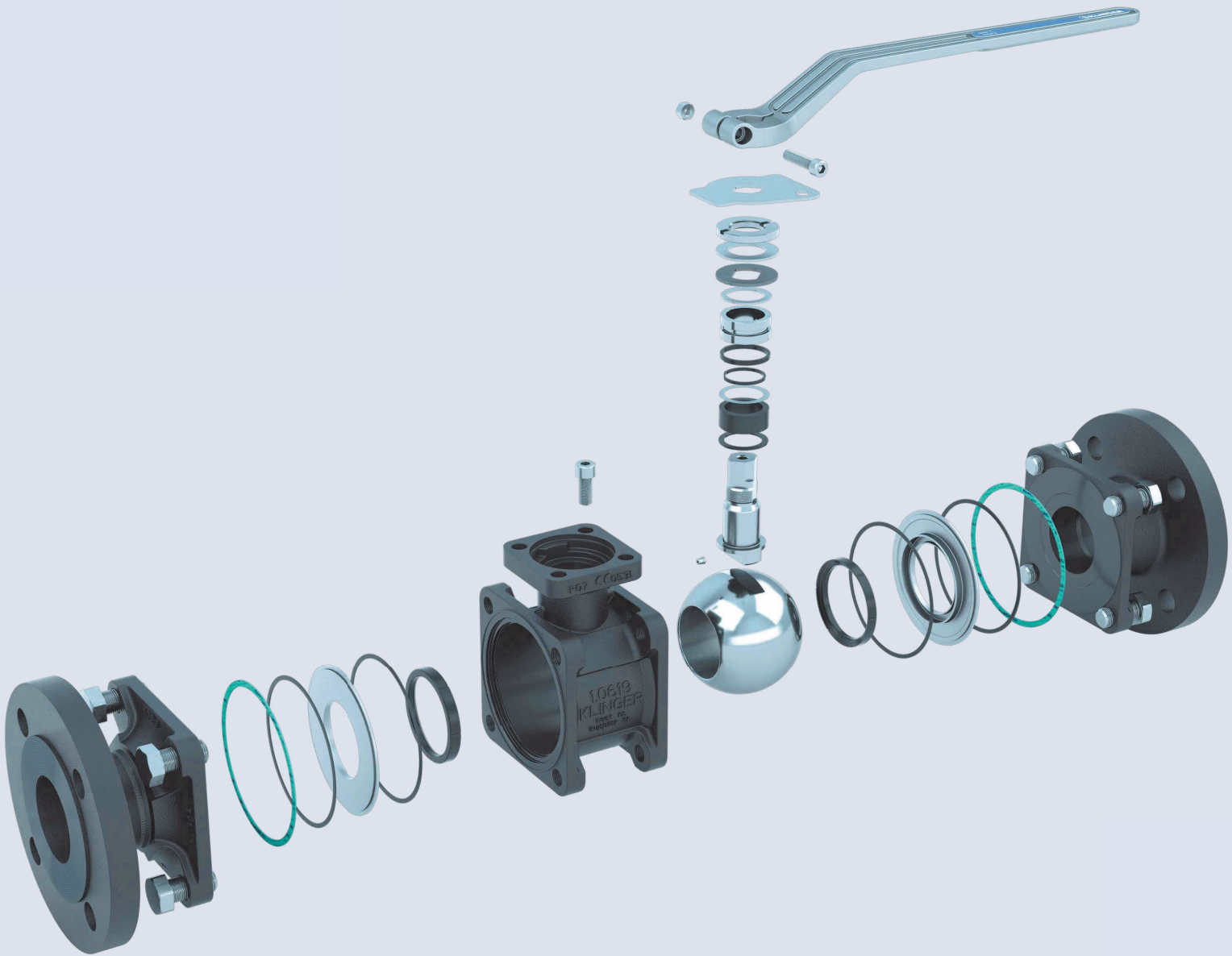
- » Maintenance-free
- » Supports pressurization on both sides
- » Bidirectional flow
- » Ball with a cylindrical full bore
- » Standard version Fire Safe certified
- » Standard version TA Luft certified
- » Standard version EN ISO 15848-1 certified
- » Unique pre-stressed and elastic sealing system
- » Bidirectional sealing in accordance with EN 12266-1 – leakage rate A
- » Modular selection of system components
- » Serviceable without removal from the line
- » Antistatic design in accordance with ISO 7121 / EN 1983
- » Subsequent automation possible at any time (top flange in accordance with EN ISO 5211)

SPECIAL TYPES

- » Metal seat (up to +400 °C) for abrasive media
- » Operating stem sealed by O-rings
- » Operating stem extension
- » Oxygen version (oil, grease and silicone-free)
- » Cryogenic version (down to -196 °C)
- » Fire-Safe version
- » Vacuum version
- » Gas version

PRODUCT DETAILS

PN	16/25/40/63/100 and ASME CL 150/300
DN	15 – 125 an 1/2"-5"
Material	Cast steel, rust and acid-proof cast iron, duplex
Temperature	-196 °C to +400 °C
Design	Flanges, threaded connections, welding ends
Type	Three-piece ball valve

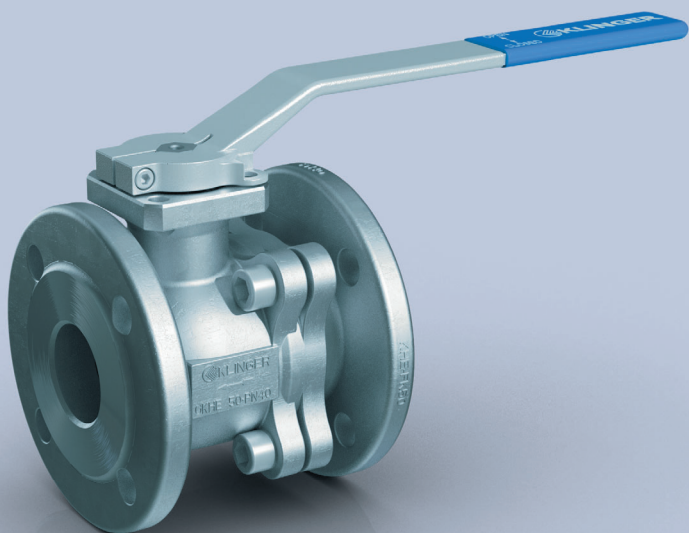


BALLOSTAR® KHE

Compact valve for universal use

BALLOSTAR® KHE

Owing to its different housing and sealing materials, KLINGER Ballostar® KHE can be used in a great many different applications. Thus, choosing the right modular system components yields a solution that accurately meets your requirements. Many different approvals warrant a high level of operational safety. Our ball valve series made to ASME standards would not be complete without a wide range of rated DIN widths of flange fittings.



PRODUCT ADVANTAGES

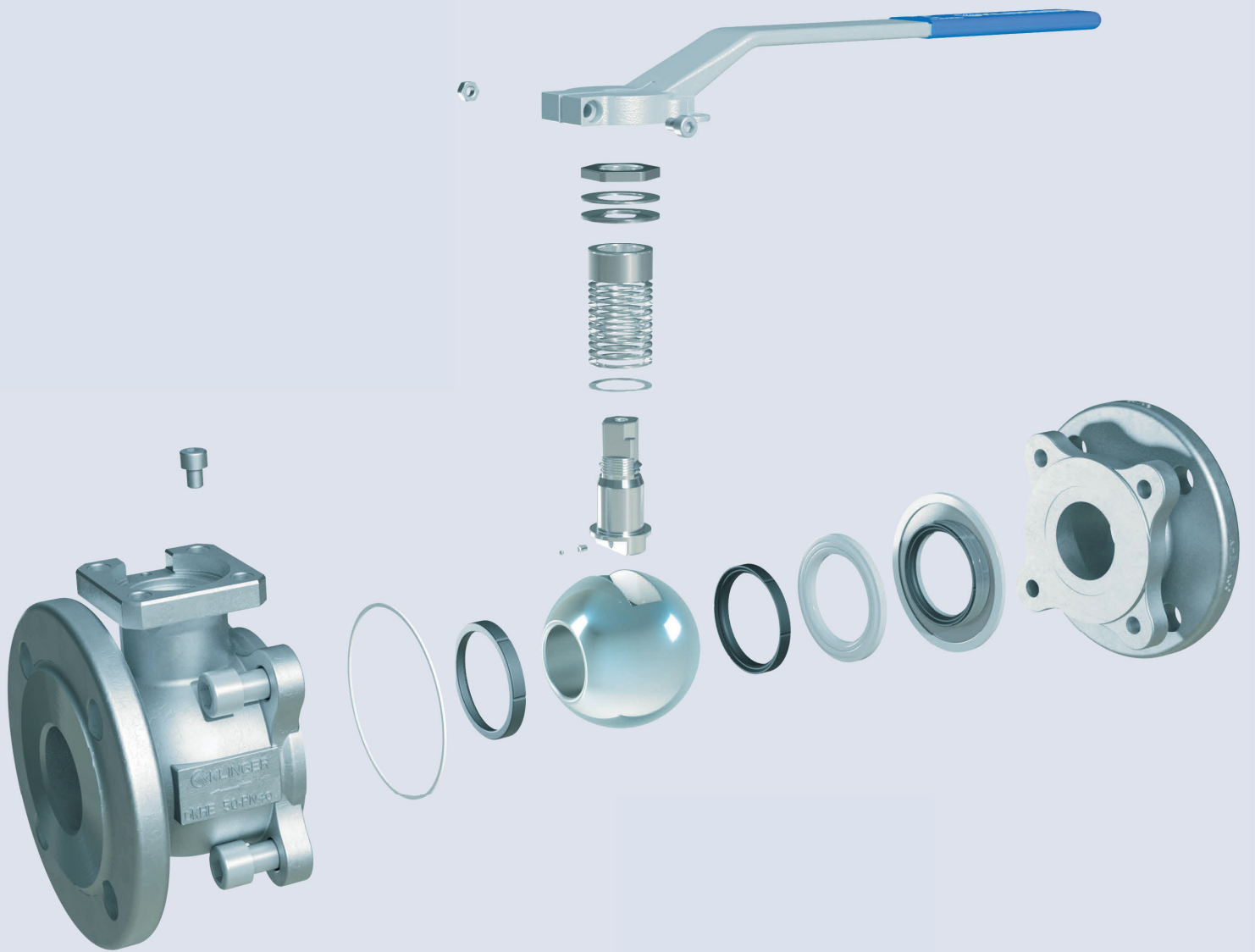
- » Maintenance-free
- » Ball with cylindrical full bore
- » Sealing in accordance with EN 12266-1 – leakage rate A
- » Modular selection of system components
- » Fire Safe
- » Antistatic design in accordance with ISO 7121 / EN 1983
- » Subsequent automation possible at any time (top flange in accordance with EN ISO 5211)
- » Optimal spare parts availability (as a result of common parts with Ballostar® KHA)

SPECIAL TYPES

- » Metal seat for abrasive media
- » Operating stem sealed by O-rings
- » Operating stem extension
- » Oxygen version (oil- and grease-free)
- » Gas version

PRODUCT DETAILS

PN	16/40, Class 150
DN	15 – 200, ½" – 8"
Housing	Cast steel, stainless steel, special materials upon request
Ball	Stainless steel
Operating Stem	Stainless steel
Temperature	-60 °C to +300 °C
Design	Flanges short, full bore
Type	Two-piece ball valve

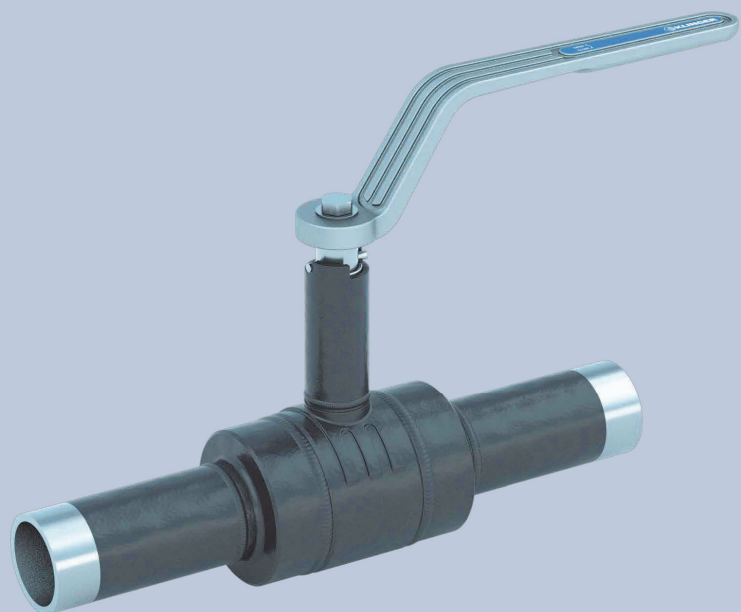


MONOBALL® KHO

Developed for the toughest application scenarios

MONOBALL® KHO

KLINGER Monoball® KHO is a fully welded single-piece ball valve. The ball valves of this series have been uncompromisingly designed for their functionality in district heating, heating and air-conditioning systems or in general plant engineering. Apart from a wide range of standard versions, there are also various special Monoball® designs. They include a special version for buried applications for use in plastic casing pipe systems or buried draining and venting installations.



PRODUCT ADVANTAGES

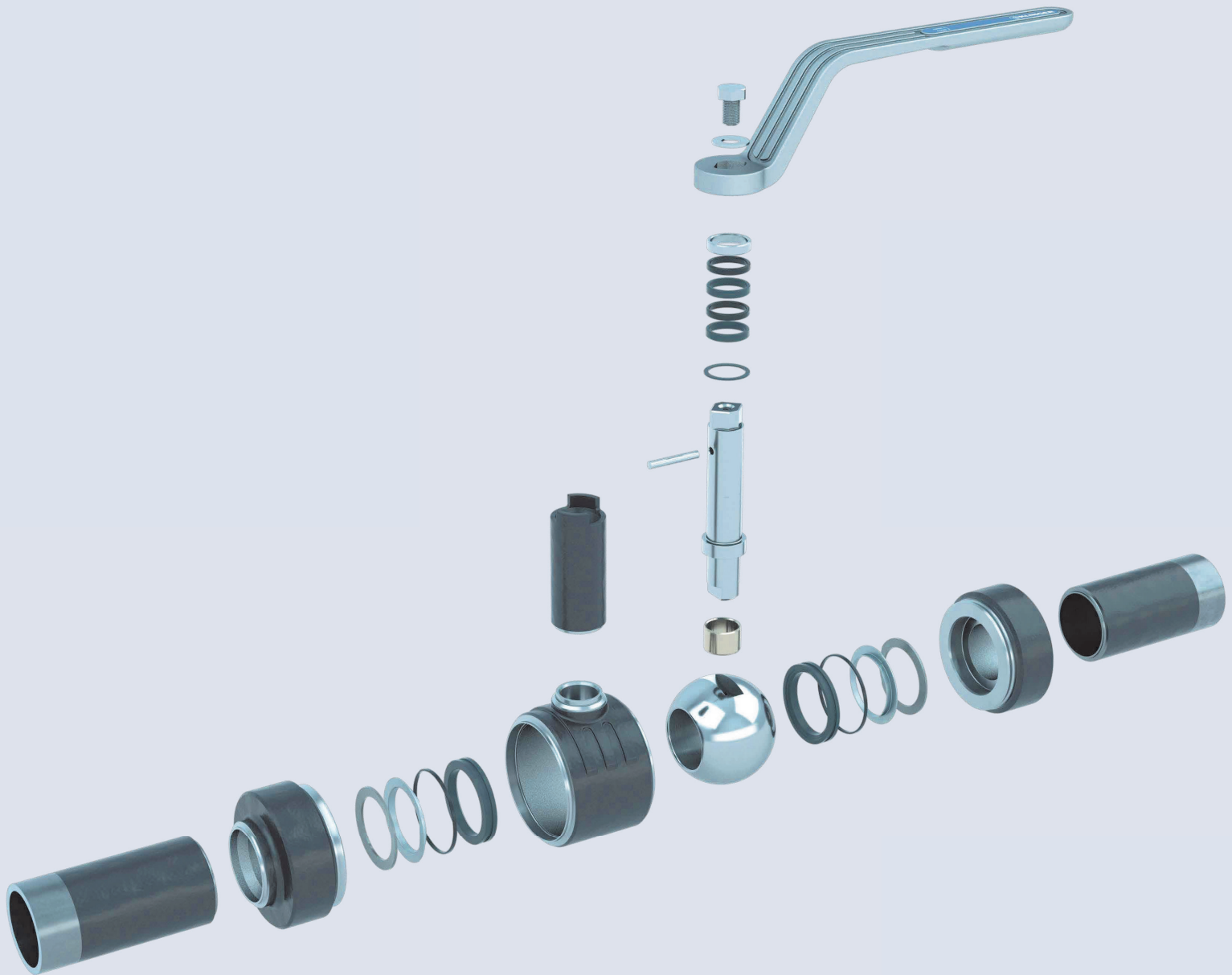
- » Maintenance-free
- » Supports pressurisation on both sides
- » Long heat-insulating shaft
- » Multiple layer, durable operating stem seal
- » Blowout-proof operating stem
- » Stainless steel stem prevents contact corrosion
- » Elastically pre-stressed sealing elements with stainless steel belleville washer
- » Tested and certified to EN488 and FW401 – Part 5
- » Certified acc. to EN 488:2019 and EHP003
- » Meets the requirements of the AGFW worksheet FW401-Part 5
- » Blowout-proof operating stem
- » Operating shaft made of stainless steel

SPECIAL TYPES

- » Pre-insulated design for thermal insulated pipe systems
- » Pre-insulated drain and vent valve made of stainless steel for plastic casing pipe systems
- » Top flange in acc. with EN ISO 5211 for automation
- » Full solution with venting and draining, insulation and leak warning wires

PRODUCT DETAILS

PN	16-40
DN	DN 15 – 250
Material	Cast steel and stainless steel
Temperature	-5 °C to +200 °C
Design	Welding ends, flanges, full and reduced bore
Type	Fully welded ball valve



KVN PISTON VALVE

The endlessly tried and tested original

KVN

Due to constant technical product improvement, KLINGER has been and remains to be one of the leading manufacturers of piston valves. Different types of connections as well as DIN and ASME-compliant designs ideally supplement KLINGER's wide range of industrial valves.



PRODUCT ADVANTAGES

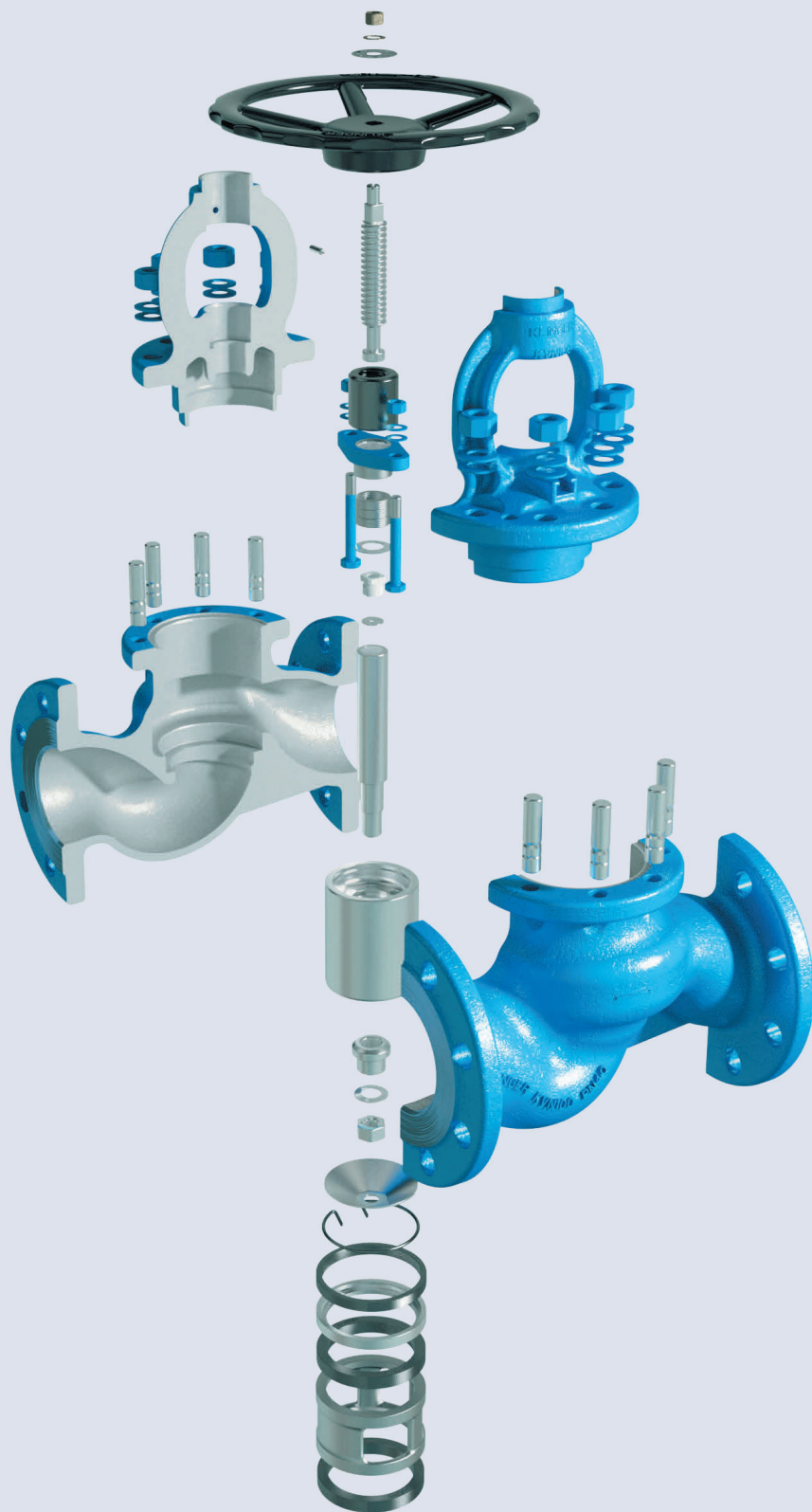
- » Excellent regulating characteristics
- » Sealing in accordance with EN 12266-1 - leakage rate A
- » Suitable for alternate steam/condensate operation
- » as well as for thermal shock operations
- » Special sealing elements for highest operation cycles
- » Impervious to dirt
- » Serviceable without removal from the line
- » Fire Safe
- » Automation-ready

SPECIAL TYPES

- » Oxygen version (free from oil, grease and silicone)
- » End position detection (mechanical and inductive)
- » "TA-Luft"
- » Heating jacket
- » ISO flange for mounting of actuator
- » Regulating Version

PRODUCT DETAILS

PN	16/40/63, Class 150/300
DN	15 – 200, 1/2" – 8"
Material	Grey cast iron, nodular cast iron, cast steel, stainless steel
Temperature	-10 °C to +400 °C
Design	Flanges, threaded connection, socket weld ends, butt weld ends
Type	Piston valve



BOROSILICATE GAUGE GLASSES

Withstands the harshest conditions

BOROSILICATE GAUGE GLASSES

The quality of a gauge glass mainly depends on its chemical composition and the mechanical strength of the glass material.

Analysing the glass by taking acid and base samples assures a uniform quality of the gauge glasses. Their mechanical strength is provided by heat-strengthening.



In a long and round design

APPLICATIONS

- » Refineries
- » Petrochemistry
- » Pharmaceutical industry
- » Chemical engineering
- » Mechanical engineering, particularly boiler and vessel engineering
- » Foodstuffs and beverages industry
- » Water supply and distribution
- » Paper and pulp production
- » Textile industry
- » Maritime industry

PRODUCT DETAILS

Design	Reflex gauge glass, transparent gauge glass, circular gauge glass
Material	“Extra strong” borosilicate
Temperature	-273 °C to +400 °C
Mica	For transparent gauge glasses
Spare parts sets	Available with KLINGER SIL seals

AB-COCKS

Reliable and fail-proof shut off

AB-COCKS

AB-cocks are simple and extremely sturdy shut-off valves designed with the very specific needs of measuring technology in mind. Their unfailing operation and economic efficiency have earned them millions of practical applications worldwide.

THE PACKING SLEEVE

The heart of the AB-cock

Under pressure the lamellas of the elastic packing sleeve are pressed against the body wall and thereby an excellent seal is achieved. Three different sorts of packing sleeves are available:

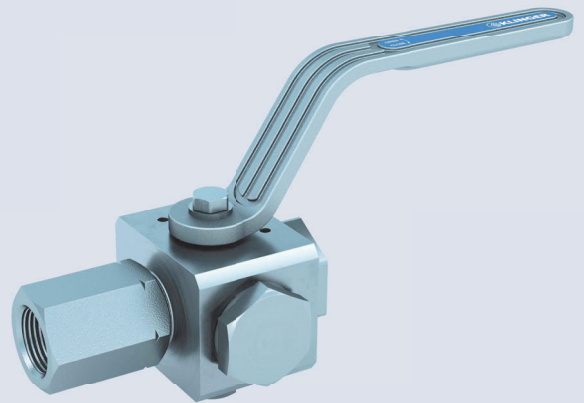
KAF - For high temperature applications up to 400°C

top-graph 2000 (TGR) - The standard packing sleeve for operating temperatures up to 250°C



PRODUCT ADVANTAGES

- » A generously sized sealing face ensures that the bore is reliably sealed and that measuring errors on the outside are prevented
- » Manual operation supported in throttle position
- » Simple design (just one moving part) for high-level operational safety
- » The sealing bush - the valve's only wearing part - can be replaced within a few minutes without having to remove the AB cock from the pipeline.
- » Special designs are available for pressure gauges, indicators and liquid level gauges



PRODUCT DETAILS

PN	40/160/250
Design	ABM, MABA, ABMZ, ABZ, MABAL etc.
Material	Brass, carbon steel and stainless steel
Temperature	-200 °C to +400 °C
Variants	Various link-up types: Ermeto, etc., Sealing bushes available in KAF, TGR

GLOBAL NETWORK OF PARTNERS

Our know-how near you



EUROPE



AFRICA

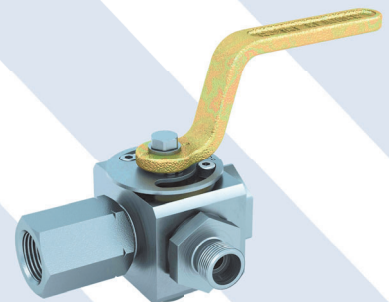
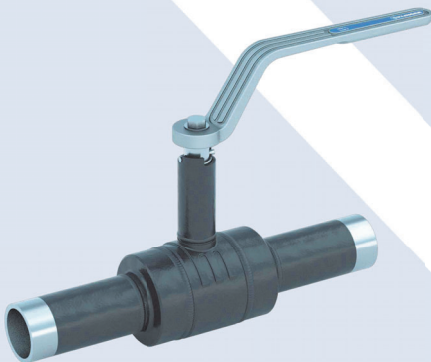


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NORTH AMERICA



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