

# >>> KLINGER FLUID CONTROL PRODUCTS FOR THE STEEL INDUSTRY

#### **KLINGER Fluid Control ball valves**

KLINGER Fluid Control ball valves are available in nominal diameters ranging from DN10 to DN1000 (NPS 3/8" to NPS 40"). Using a unique pre-stressed elastic sealing concept makes the valves very reliable, even when operated with **highly abrasive media** in both flow directions. In combination with the KLINGER Fluid Control special formula of the **soft sealing** element, **temperature range up to 300°C** can be processed without a problem and ensuring leakage rate A. For temperatures above 300°C up to 400°C or certain media, metal sealings are part of the standard valve portfolio. For applications with very high safety demands, ball valves from DN50 to DN1000 are available with a **Double Block and Bleed (DBB)** function. This feature saves cost and is a perfect solution when there is a very limited installation space, as one valve with the DBB function replaces two common ball valves. Due to the design principle of the sealing elements in combination with the stuffing box design, applications with **high turning cycles** are a perfect fit.





### **KLINGER Fluid Control piston valves**

The original KLINGER piston valves ranging from DN15 to DN200 (NPS ½" to NPS 8") are the most reliable valve solution for steam and hot oil applications. With its superior sealing rings the standard version can be operated at a **temperature range of up to 400°C**. The operating principle of a KLINGER piston valve has a **self cleaning function** and is therefore **insensitive against contaminated media**. As the piston itself is always guided in combination with the unique sealing ring design, steam hammers do not damage any internal parts. KLINGER KVN piston valves are the perfect solution to regulate the flow through the valve and therefore within the process. Compared to globe valves, the sealing elements and the piston can be easily replaced without dismantling the valve from the pipe. This in turn dramatically reduces maintenance costs.













Your KLINGER distribution partner

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# **>>** ABOUT KLINGER GROUP

KLINGER is an established top leader for industrial valves, sealings and fluid monitoring systems and is known for its high quality products. Founded in 1886 as a family business, today KLINGER presents itself as a global group that offers its independent production, sales and service companies unique know-how and on-site consulting in a total of 60 countries worldwide. Since more than 130 years, KLINGER is fully committed to supplying not just products, but tailored state of the art sealing, fluid control and fluid monitoring solutions. The goal of KLINGER is to bring together the high standards regarding quality, technology and efficiency, enhancing the performance of our customers servicing the manufacturing industry, infrastructure, automotive, marine, oil & gas, the chemical industry, pulp & paper, the energy sector, steel, food & beverage and the pharmaceutical industry.

## **>>** ABOUT KLINGER FLUID CONTROL

KLINGER Fluid Control, a subsidiary of the KLINGER Group, has been an innovative and reliable quality manufacturer of industrial valves in Gumpoldskirchen/Austria for over 130 years. The products from KLINGER Fluid Control are characterized by their high reliability, an above-average service life and low life cycle cost. Through its global distribution and service network, KLINGER Fluid Control offers both standardized and tailor-made products, services and solutions for customers in over 60 countries. In order to make the customers' operations safer and more secure KLINGER Fluid Control invests in relevant technical innovations and solutions.

### >> STEEL PRODUCTION PROCESSES

**COKE OVEN** 

**BLAST FURNACE** 

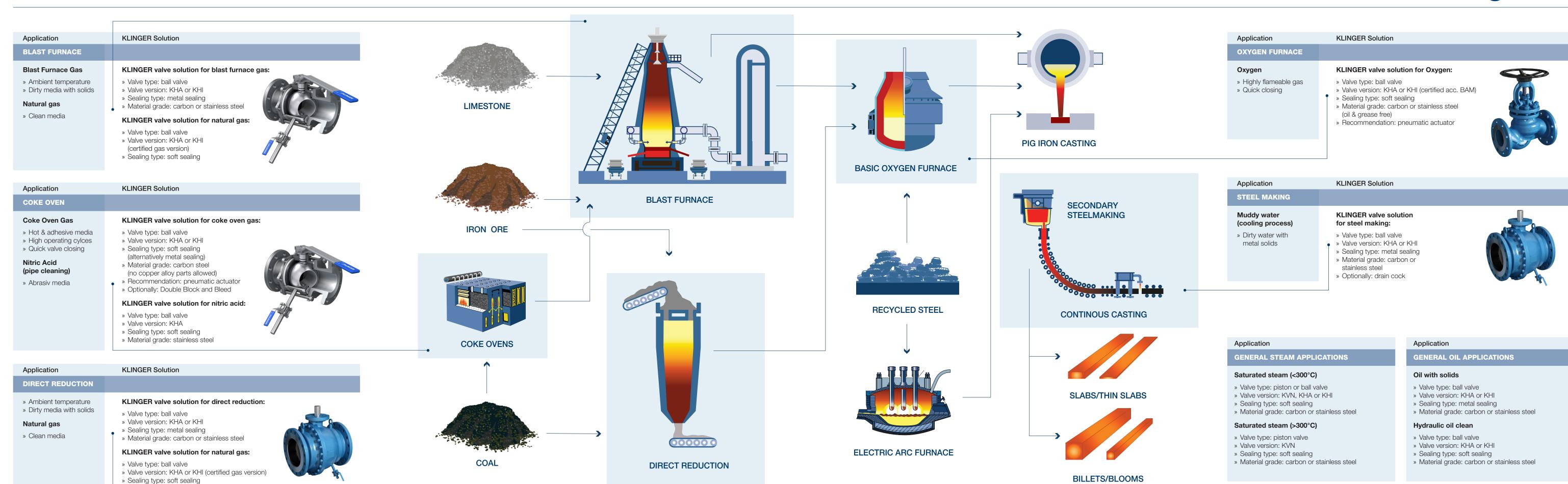
**DIRECT REDUCTION** 

**BASIC OXYGEN FURNACE** 

**CONTINOUS CASTING** 

**GENERAL STEAM & OIL APPLICATIONS** 





» Material grade: carbon steel