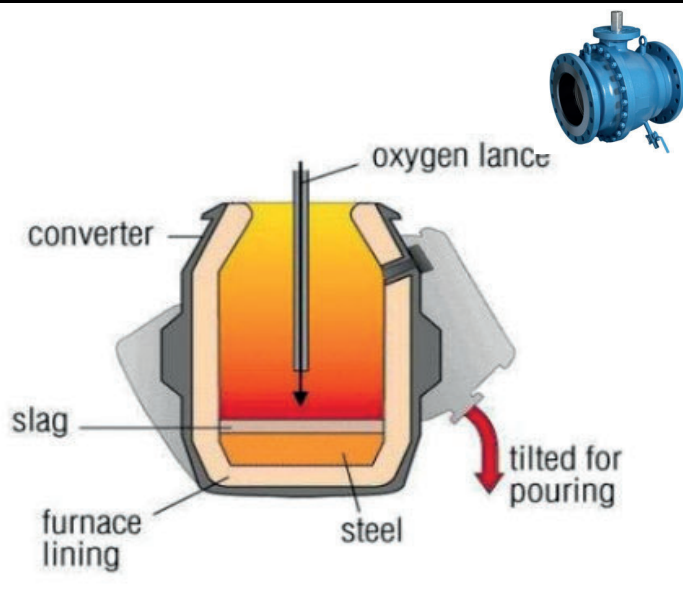


KLINGER Fluid Control

Application Case for Steel Industry

KLINGER Ballostar KH(SV)I for Oxygen Furnace Application

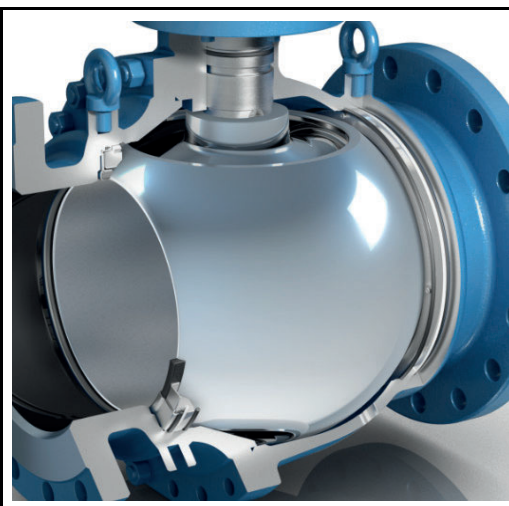
Application Location: Oxygen Furnace	
Media: Oxygen Gas	
Media properties: Highly flammable Valve must be oil & grease free for oxygen usage	
Operating Temperature: < 60°C	
Operating Pressure: 10 - 25bar max.	

Description of application:

For steel production, the oxygen furnace is loaded with raw iron produced in the blast furnace. Raw iron still has a high carbon content. To produce raw steel, oxygen will be injected with gas lances so that the carbon in the raw iron will be oxidized. The result after this oxidation process is liquid raw steel. Also recycled steel can be added in this process. KLINGER Ballostar ball valve model KH(SV)I is used in the supply line for the oxygen gas lance.

Execution of ball valve series KH(SV)I for oxygen gas:

Line Size range: DN150 - DN800, PN25/40
Stem sealing: AFLAS O-Rings up to 200°C
 Fluoraz O-Rings on demand up to 250°C
Stem material: 1.4104, 1.4401
Sealing system ball: Soft sealing KFC, leakage rate A
Ball material: Nodular iron, chrome coated, EN-JS1030Fe/Cr30f,mt
Body material: Cast steel 1.0619 or stainless steel 1.4408
Oil and grease free for oxygen use with BAM certificate
Additional equipment:
 .) Flanged version or weld ends
 .) Drain/test cock for Double Block & Bleed
 .) Pneumatic actuators for quick closing



Contact person for further information

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