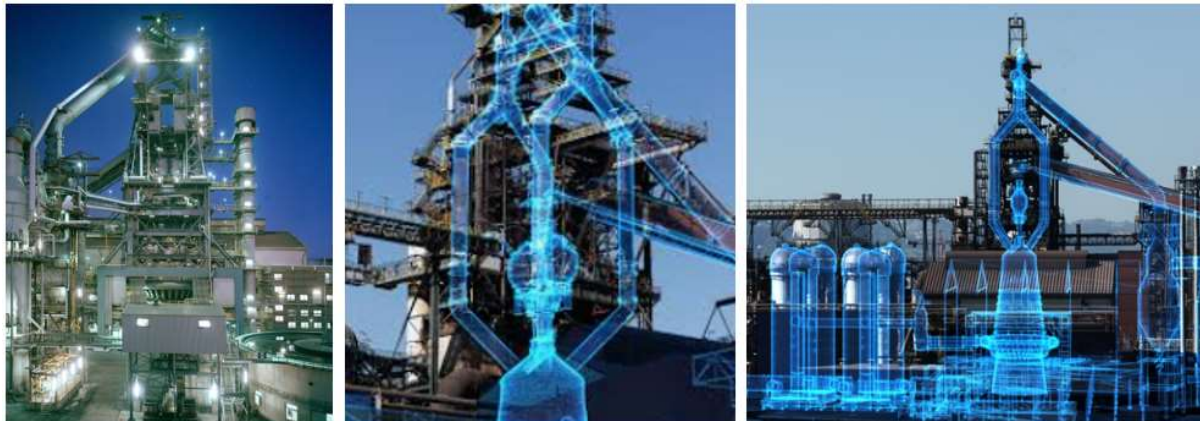


KHA FOR BLAST FURNACE GAS APPLICATION:

During the blast furnace process of iron making in the steel industry, blast furnace gas will be produced as a by-product. Blast furnace gas is a very hot, abrasive, solid containing and toxic gas because also carbon dioxide and carbon monoxide is included. This gas will be pulled off on top of the blast furnace, cleaned in a gas scrubber where suspended particles will be removed. As a standard the "clean" blast furnace gas will be reused in compressors for the hot blast heater to heat up the air for the hot wind which will be used in the blast furnace process.

Advantages of the KHA for blast furnace gas:

- » The stuffingbox is TA-Luft and VDI2440 compliant and approved → Low emissions to atmosphere.
- » Usage of metal sealing elements → less wear at solid containing media.
- » Ball material stainless steel chrome coated. The chrome coating has a high surface hardness and low surface roughness → resistant to solids and damages on the ball surface. Media particles cannot stick on the ball and damage the seal seats which significantly increases the service life of the valve.
- » ISO TOP flange acc. EN ISO5211 on the valve for installation of pneumatic actuators for quick opening and closing.
- » For version with weld and threaded ends, inline service possible – time and cost efficient.
- » Full availability of spare parts for the valve → low storage costs.



KHA FOR BLAST FURNACE GAS APPLICATION:

Construction KHA for blast furnace gas:

- » (1) Stuffingbox PTFE labyrinth (TA Luft & VDI2440 compliant).
- » (2) Sealing elements METAL stainless steel.
- » (3) Body: Material 1.0619 or 1.4408. Process connections available in flanged, weld end and threaded end version.
- » (4) Solid ball with cylindrical passage in stainless steel 1.4401 or 1.4408 chrome coated.
- » (5) ISO TOP flange acc. EN ISO 5211.
- » (6) Pneumatic actuator for quick opening and closing

