

KLINGER Fluid Control

Application Case for Steel Industry

Klinger Ballostar KHA for Oil Collector Tank

Application Location:
Steel Plant

Media:
Different hydraulic oils with solids.
This solids also can be metal chips.

Media properties:
The solids in the collected hydraulic oils are metal chips and dirt.

Operating Temperature:
Below 100°C

Operating Pressure:
Below 10bar



Description of application:

In a steel plant nearly all equipment and machines are running with hydraulic engines. Used hydraulic oil will be collected in huge collector tanks or basins, filtered, cleaned and partially reused. Hydraulic oil for collecting and cleaning normally is dirty and solid containing. Also metal chips and rests from the different hydraulic machines are present in the oil. Klinger Ballostar ball valve model KHA is used in the piping and pumping equipment for the oil collector tank/basin. The KHA is equipped with metal seats because of the abrasive metal chips and solids in the media.

Execution of ball valve series KHA for hydraulic oil with metal chips & dirt:

Line Size range: DN15 - DN125, PN40/63/100
Stem sealing: PTFE labyrinth stuffingbox
 Peek friction washer for high operating cycles on demand
Stem Material: 1.4104, 1.4404
Sealing system ball: Metal seated 1.4404
Ball Material: Stainless steel 1.4401 with chrome coating
Body material: Stainless steel 1.4408 or carbon steel 1.0619
Additional equipment:
 .) Flanged version or weld ends
 .) Pneumatic actuators for quick closing
 .) Actuator accessories: solenoid valve, limit switches, emergency hand wheel



Contact person for further information

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