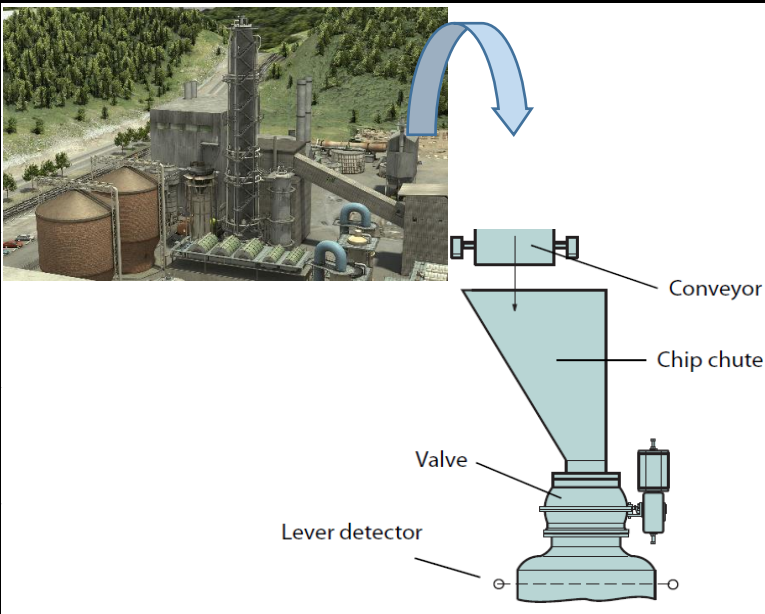


KLINGER Fluid Control

Application Case for Pulp & Paper Industry

Klinger Ballostar KHI for wooden chips of digester batching

Application Location: Chips funnel in the cookery	
Media: Wooden chips	
Media Properties: Large sized solids - 100% solid content	
Operating Temperature: Ambient	
Operating Pressure: Ambient	

Description of application:

To produce the pulp for paper production purposes, a digester is loaded with wooden chips. For the loading process, a valve is mounted on top of the cooker and a funnel is installed directly on the valve where a specific amount of wooden chips is filled into the cooking vessel. For this application, a metal seated KHI ball valve with additional purge connections for seat cleaning and a pneumatic actuator for quick closing can be used. KLINGER Fluid Control can customize the flanges of the valve so that it will perfectly fit the funnel.

Execution of ball valve series KHI are used wooden chips of digester batching:

- Line size range:** DN150 - DN800, PN25/40
- Stem sealing:** AFLAS O-Rings up to 200°C
- Stem material:** 1.4104, 1.4401
- Sealing system ball:** Metal sealing stainless steel 1.4436
- Ball material:** Nodular iron, chrome coated, EN-JS1030Fe/Cr30f,mt
- Body material:** Cast steel 1.0619
- Additional equipment:**
 - .) Special connection to chips funnel
 - .) Flanged version
 - .) Drain / test cock for Double Block & Bleed
 - .) Additional purge connections for seat cleaning
 - .) Pneumatic actuator for fast closing
 - .) Solenoid valve and limit switch box for pneum. actuator



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