

# KLINGER Fluid Control

## Application Case for the Pulp & Paper Industry

### Klinger Ballostar KH(SV)I for the pulping process

**Application Location:**

Digester in the Pulp & Paper Production

**Media:**

Black liquor/pulp

**Media properties:**

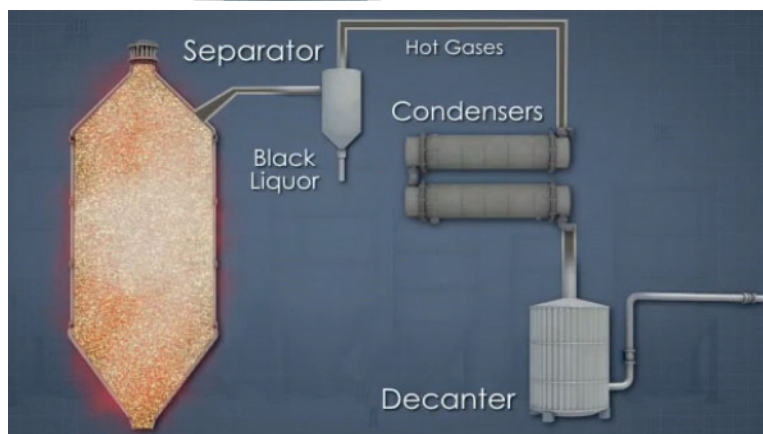
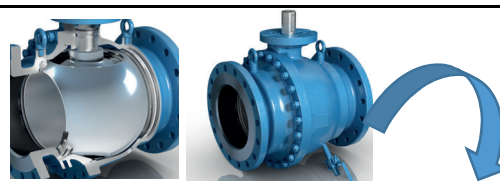
Black liquor contains cellulose and is very abrasive

**Operating Temperature:**

Approximately 180°C

**Operating Pressure:**

PN25



**Description of application:**

By cooking wood chips with caustic soda, sodium sulphide and sodium sulphate, lignin is split off and converted into black liquor which is filtered out of the pulp. This process is also known as the Kraft/sulphate process in the pulp and paper industry. Black liquor contains cellulose and is very abrasive. KLINGER Ballostar KH(SV)I valves are equipped with metal seats in the stainless steel housing. This helps to prevent the harsh properties of the media used. KH(SV)I valves can also be provided with pneumatic actuators and accessories.

**Execution of ball valve series KH(SV)I for the pulping process:**

**Line Size range:** DN150 - DN800, PN25/40

**Stem sealing:** AFLAS O-Rings up to 200°C

) Fluoraz O-Rings for temperatures until 250°C on demand

**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:** Stainless Steel 1.4408

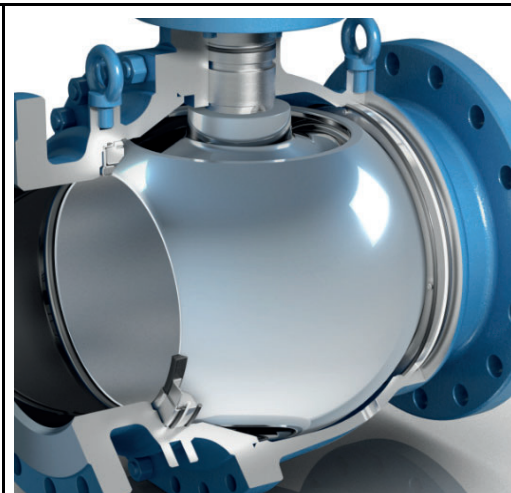
**Additional equipment:**

) With additional O-Ring on trunnion

) Drain/test cock for double block and bleed

) With additional PEEK washer on stem for high operating cycles

) Pneumatic actuator for fast closing



**Contact person for further information**

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