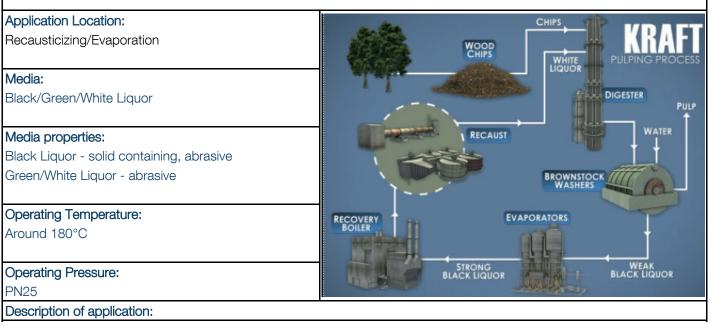


KLINGER Fluid Control

Application Case for Pulp & Paper Industry

Klinger Ballostar KH(SV)I for Recausticizing



In the combustion process of black liquor, a melt of sodium carbonate and sodium sulphide is remaining. This melt is dissolved in water to produce green liquor. The green liquor is then mixed with Sodium carbonate. This mixture is causticized with calcium hydroxide and caustic soda lye. The result of this filtration process is white liquor. White liquor will then in turn be burned in a tube oven (lime kiln) to lime. In the pulping process, white liquor can be used for separation of cellulose. For all liquor products the KLINGER Ballostar KH(SV)I is used with a stainless steel housing with metal seats. Because of the aggressiveness of such media stainless steel material is mandatory. Since black/green or white liquor can still contain abrasive solids only metal seated valves are to be used.

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

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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