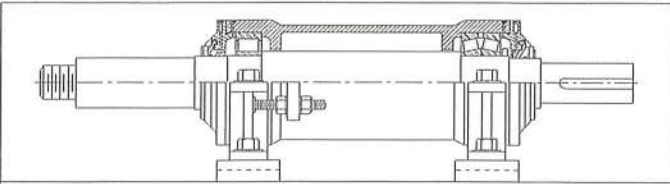
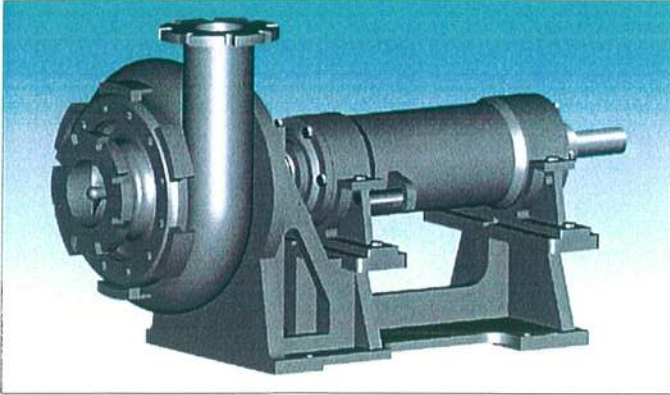
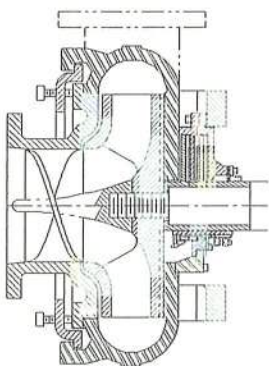


Abrasion Resistant Paper Stock Pumps



The axially adjustable bearing cartridge in the Models KCR and KCRP is clamped to the saddles and has heavy, well sealed roller bearings with low shaft deflection through the stuffing box.

8" x 12" - 22" Model KCRP belt driven unit with a suction inducer and mechanical seal in operation for over 6 years handling 6% kraft stock containing 10% clay. Wearing parts are hardened high chromium iron. Corrosion resisting materials available.



The KCR and KCRP pump ends have heavy wall sections, wide 4 blade closed impellers and large volutes which avoid clogs and provide unmatched wear life. This KCRP shows the screw type suction inducer with a dynamic seal on top and typical mechanical seal below (packed box is also available). The clamped suction cover enables quick access and avoids tapped-in case studs.
KCR sizes: 2"x3" thru 16"x18"
KCRP sizes: 3"x5" thru 8"x12"

Typical Applications:

- ◆ Stock and broke containing clay, perlite, silica, mineral wool, fiberglass or other abrasive solids
- ◆ Kraft and grit contaminated OCC recycle
- ◆ Erosive/corrosive waste water and black liquor
- ◆ Bark ash disposal

Key Pump Considerations:

- ◆ Proven slurry pump design avoids localized wear and provides maximum reliability
- ◆ Abrasion resistant high chromium iron hardened to 600 BHN further extends component wear life
- ◆ Flexibility of design features and options allows adaptation to changing requirements

Model KCR Features:

- ◆ Consistencies to 6% with no suction inducer
- ◆ Heavy wall sections, wide closed impeller and large volute provides the ultimate in component wear life and avoids traps for stock accumulation
- ◆ Independently separable bearing cartridge allows rapid maintenance without frame or case removal
- ◆ Heavy duty cylindrical and tapered roller bearings assure long bearing life and resist shock loads
- ◆ Multiple labyrinth seals and slingers on both ends of bearing cartridge eliminates contamination of bearings from stock spills and washdown

Model KCRP Features:

- ◆ Consistencies to 12% with suction inducer
- ◆ Same as Model KCR except:
Oversized suction entrance and connection
Abrasion resistant screw type suction inducer

Flow and Pressure:

- ◆ Flows to 7000 GPM Pressures to 125 psi

Pump Material Options:

- ◆ All wearing parts hardened high chromium iron
- ◆ Super hard nickel-chrome-boron packing sleeve
- ◆ 316 S.S., CD4MCu and other alloys also available

Other Nagle Abrasion Resisting Products:

- ◆ Pulper rotors ◆ Refiner plates
- ◆ Extraction plates ◆ Cyclone components
- ◆ Detrasher rotors ◆ Pressure screens
- ◆ Agitator blades ◆ Elbows and fittings

Nagle Pumps manufactures vertical cantilever, vertical submerged bearing, horizontal and submersible pumps for abrasive, corrosive, elevated temperature and hazardous fluid handling applications. See our Website for the representative in your area or contact Nagle Pumps directly.



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