KRIMA Disperser
TYPE KD
KRIMA Disperser

**TYPE KD**

KRIMA Disperser is a further developed disc refiner suitable for high consistency treatment. The best results are reached when the inlet consistency is between 20 and 35%.

---

The technically superior and patented infeed zone allows treatment of all types of fibers without risk of blocking.

The infeed zone also contributes to the very low energy consumption 35-45 kWh/ton of pulp. The power consumption varies according to the type of dispersing discs and operating temperature.

The Disperser provides a high pumping effect which feeds the pulp directly to the required station, i.e. machine vat or storage tower.

---

In order to achieve maximum pumping effect, the rotor can be equipped with special pump flights.

An outlet consistency of up to 15% can be reached in the standard disperser housing. High consistency outlet can be reached by using a HC dispersing house configuration.
KRIMA DISPERSER TYPE KD
A RESULT OF 40 YEARS’ EXPERIENCE AND CONTINUOUS DEVELOPMENT.

KRIMA DISPERSER TYPE KD:

- Optimum performance.
- Low energy consumption.
- Different dispersing discs.
- Long lifetime.
- Easy maintenance.
- Many reference plants.
- Discharge consistency 3 - 35 %.
- Capacity range 10 - 1200 tpd.
DISPERSING DISCS
Cellwood Machinery AB has produced special dispersing discs that allow the fibres to be treated as gently as possible and at the same time completely disperse the contaminants. These discs also ensure a low energy consumption.

Dispersing discs are available in different "deviltooth" patterns to give the best optimum result. Flexible discharge consistency from 3 – 35%.

SERVICE
KRIMA Disperser has a unique service function for easy and fast maintenance.

Disperser closed

Disperser open
DESCRIPTION
The KRIMA Disperser is mounted on a baseplate on which the main motor is also situated. This arrangement allows a perfect alignment between the disperser and the motor shaft.
All parts in contact with the pulp are manufactured in acid-proof steel. All other parts are sandblasted and coated with an epoxy-paint. The protective covers for the coupling and lubrication system are manufactured in polished stainless plate. The inspection openings are covered with plexiglass.

DISC GAP SETTING
The disc gap can be adjusted either by mechanical-hydraulic or electro-hydraulic systems. Adjustment can take place during operation with either method and possibility of remote control is standard. The setting accuracy with both methods is 0.01 mm.

CONTROL PANEL
The Control Panel includes the electronic system DGC for disc gap control as well as the alarms and maintenance functions.
The Control Panel will be made according to customer's requirements and is manufactured of a water proof stainless steel cabinet with plexiglass covered door.
TECHNICAL DATA

All dimensions in mm

<table>
<thead>
<tr>
<th>Type (Size)</th>
<th>Disc Ø</th>
<th>Speed rpm (60 Hz)</th>
<th>Length A</th>
<th>Service l. B</th>
<th>Height C</th>
<th>Width D</th>
<th>Inlet Ø E</th>
<th>Outlet Ø F</th>
<th>Dilution water Ø G</th>
<th>Weight kg excl. motor</th>
</tr>
</thead>
<tbody>
<tr>
<td>KD-450</td>
<td>450</td>
<td>1200/1500</td>
<td>3350</td>
<td>4250</td>
<td>1215</td>
<td>1250</td>
<td>250</td>
<td>125</td>
<td>DN40 (2pcs)</td>
<td>3800</td>
</tr>
<tr>
<td>KD-710</td>
<td>710</td>
<td>1200/1500</td>
<td>3700</td>
<td>4600</td>
<td>1360</td>
<td>1250</td>
<td>350</td>
<td>150</td>
<td>DN80 (3pcs)</td>
<td>4000</td>
</tr>
<tr>
<td>KD-1050</td>
<td>1050</td>
<td>1200/1500</td>
<td>4450</td>
<td>6000</td>
<td>1650</td>
<td>1450</td>
<td>400</td>
<td>200</td>
<td>DN80 (4pcs)</td>
<td>6500</td>
</tr>
<tr>
<td>KD-1250</td>
<td>1250</td>
<td>1200/1500</td>
<td>5550</td>
<td>-</td>
<td>1750</td>
<td>1600</td>
<td>500</td>
<td>300</td>
<td>DN100 (4pcs)</td>
<td>7000</td>
</tr>
</tbody>
</table>

CAPACITY FIGURES
Capacity values for the Krima Disperser type KD will vary because the type KD may be used for various materials. The following values may be used as guidelines for high consistency dispersing.

<table>
<thead>
<tr>
<th>Type of Disperser</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>KD-450</td>
<td>0 - 70 TPD</td>
</tr>
<tr>
<td>KD-710</td>
<td>50 - 300 TPD</td>
</tr>
<tr>
<td>KD-1050</td>
<td>250 - 800 TPD*</td>
</tr>
<tr>
<td>KD-1250</td>
<td>750 - 1200 TPD</td>
</tr>
</tbody>
</table>

Inlet consistency: 6 - 35 %
Outlet consistency: 3 - 35 %

Installed motor:
- KD-450: 90 - 250 kW
- KD-710: 160 - 800 kW
- KD-1050: 710 - 2000 kW
- KD-1250: 1800 - 3000 kW

*Outlet consistency min.10 % between 600-800 TPD.