Sawing technology

Using microjet® minimum-consumption lubricating systems in the sawing technology means:

- Continuous oiling of saw teeth
- Uniform application of lubricant
- Minute consumption of lubricant
- High cutting rates by using special lubricants
- Dry sawing parts and dry chips
- Dry machines
- No cleaning, no disposal issue
- Higher productivity

microjet® minimum-consumption lubricating systems are becoming ever more important in present-day sawing technology. Circular and ribbon saws can be retrofitted with nozzle heads of various design without any difficulty. Each nozzle is then provided with a metering hose. Such equipment results in high process reliability ensuring the manufacturing quality and productivity required in the respective cases.

Sawing head on ribbon saws (band height 25 and 34 mm respectively)

Sawing head with 2 nozzles on KASTO ribbon saws (band height 41 mm respectively)

Nozzle head with two nozzles on circular saw (diameter of circular saw blade > 700 mm)

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**microjet® sawing head variants**

for circular- and ribbon saws

The illustration shows several microjet® sawing heads for band heights 27 mm and 80 mm respectively

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**microjet® Tank**

**Technical data:**

<table>
<thead>
<tr>
<th>System type MKS-G</th>
<th>100</th>
<th>260</th>
<th>500</th>
<th>1000</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. pressure:</td>
<td>7</td>
<td>7</td>
<td>7</td>
<td>7</td>
<td>bar</td>
</tr>
<tr>
<td>Max. capacity of tank:</td>
<td>1,6</td>
<td>2,6</td>
<td>5</td>
<td>10</td>
<td>litre</td>
</tr>
<tr>
<td>Max. contents in tank:</td>
<td>1,0</td>
<td>2,0</td>
<td>4,0</td>
<td>9,0</td>
<td>litre</td>
</tr>
<tr>
<td>Opening pressure of safety valve:</td>
<td>7</td>
<td>7</td>
<td>7</td>
<td>7</td>
<td>bar</td>
</tr>
<tr>
<td>Operating pressure:</td>
<td>0.5 - 6</td>
<td></td>
<td></td>
<td></td>
<td>bar</td>
</tr>
<tr>
<td>Air consumption depends on setting appr.:</td>
<td>50 - 100 l/min./nozzle</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lubricant consumption depends on setting appr.:</td>
<td>5 - 200 ml/h/nozzle</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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