The XX-Clone Cleaner provides a stable rotation pressure and minimum flow disruption to concentrate and remove light contaminants.
The cleaner employs centrifugal force to concentrate light contaminants at the air core so they can be efficiently separated from the good pulp slurry. Because the energy for the separation comes only from the feed pump, there are no moving parts in the cleaners themselves. Engineered for optimum efficiency under very low consistency conditions, the XX-Clone through-flow cleaner removes wax, styrofoam, hot melt adhesives, and other material with a specific gravity less than water.

The efficiency of the contaminant removal is influenced by the cleaner’s superior geometrical design and the resultant flow properties of the pulp slurry. Other pulp conditions — particularly temperature, consistency, and contaminant level — also affect efficiency but to a lesser degree.

The XX-Clone is a small diameter cleaner with long dwell times. This characteristic, combined with a highly stable flow and low inlet consistency, result in excellent contaminant removal. In situations with high contaminant loading, hydraulic reject rates can be increased to accommodate the larger concentration of debris, such as when a high wax load is encountered, or when a series of highly contaminated wastepaper bales are put into the system.

**Efficiency Through Stability**

Our patented inlet maintains rotational stability in the air core for optimum separation. Pressure generated at the inlet port assures high centrifugal forces and maximum contaminant removal.

Operating efficiency depends on a stable rotation pressure and a minimum of disruption of internal flow; two parameters which the XX-Clone provides. The 30 psi (nominal) pressure drop from the feed to the accept port determines the hydraulic capacity and the internal spin velocity of the stock that is optimum for a fine separation of the debris from the pulp fiber.
Removes wax, styrofoam, polystyrene, hot melt adhesives, and other material with a specific gravity less than water.

### XX-Clone™ Through-Flow Cleaner

<table>
<thead>
<tr>
<th>Unit Size</th>
<th>A</th>
<th>Feed, Accept, Reject Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>98.8 in.</td>
<td>2509 mm 8 in. 203 mm</td>
</tr>
<tr>
<td>44</td>
<td>107.6 in.</td>
<td>2734 mm 8 in. 203 mm</td>
</tr>
<tr>
<td>48</td>
<td>116.5 in.</td>
<td>2959 mm 8 in. 203 mm</td>
</tr>
<tr>
<td>52</td>
<td>125.3 in.</td>
<td>3184 mm 8 in. 203 mm</td>
</tr>
<tr>
<td>56</td>
<td>134.2 in.</td>
<td>3409 mm 8 in. 203 mm</td>
</tr>
<tr>
<td>60</td>
<td>143.1 in.</td>
<td>3634 mm 8 in. 203 mm</td>
</tr>
<tr>
<td>64</td>
<td>151.9 in.</td>
<td>3859 mm 8 in. 203 mm</td>
</tr>
<tr>
<td>68</td>
<td>160.8 in.</td>
<td>4084 mm 8 in. 203 mm</td>
</tr>
<tr>
<td>72</td>
<td>169.6 in.</td>
<td>4309 mm 8 in. 203 mm</td>
</tr>
<tr>
<td>76</td>
<td>178.5 in.</td>
<td>4534 mm 8 in. 203 mm</td>
</tr>
</tbody>
</table>

XX-Clone cleaner cones feature our quick-release reject tip for easy maintenance and a plug-free operation.

General Dimensions - Not certified for construction or installation. Guards omitted for clarity but perimeter guards are recommended.

US Patent Number 5,769,243 (expired)
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Stock preparation is in our blood. We know this industry like few others – your equipment, your processes, and your challenges. We have the know-how and tools to elevate the efficiency of your production. Our team can help monitor, maintain, and upgrade your line, providing process improvements, replacement parts, rebuilds, and comprehensive maintenance plans.

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- Upgrades and modernizations
- Maintenance and service contracts
- Process control solutions
- Replacement upgrades and spare parts

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- Cleaning
- Thickening
- Deinking
- Detrashing

- Refining and dispersing
- Reject handling
- Recovery systems
- Heat transfer
- Pulp washing
- Recausticizing

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Kadant is a global supplier of high-value, critical components and engineered systems used in process industries worldwide.