Over 30 Years of Paper Machinery Experience To Exceed Your Goals.

Vooner FloGard, dba CVN Vooner Paper Machinery has provided fabric conditioning, dewatering components and systems over 30 years and are manufactured by hard working Americans in the USA. Our long term, low cost vacuum pumps for paper mills are tested to HEI standards. Contact us to see how we can work together and help you exceed your goals.

P.O. Box 129 · Greeneville TN 37744 USA
475 T. Elmer Cox Drive · Greeneville, TN 37743 USA
Phone: 423-638-2211 · Fax: 423-638-8805
info@cvnvooner.com · www cvnvooner.com
Complete Coverage Cleaning (CCC), Developed by CVN Vooner in 1981

For Fabric CCC

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Formula</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS</td>
<td>ft/min</td>
</tr>
<tr>
<td>FW</td>
<td>ft/rev/min</td>
</tr>
<tr>
<td>L</td>
<td>ft/rev/min</td>
</tr>
<tr>
<td>N</td>
<td>rev/min</td>
</tr>
<tr>
<td>t</td>
<td>inches</td>
</tr>
<tr>
<td>S</td>
<td>inches/rev/min</td>
</tr>
</tbody>
</table>

For Roll CCC

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Formula</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS</td>
<td>ft/min</td>
</tr>
<tr>
<td>RW</td>
<td>ft/rev/min</td>
</tr>
<tr>
<td>C</td>
<td>ft/rev/min</td>
</tr>
<tr>
<td>N</td>
<td>rev/min</td>
</tr>
<tr>
<td>t</td>
<td>inches</td>
</tr>
<tr>
<td>S</td>
<td>inches/rev/min</td>
</tr>
</tbody>
</table>

For the Oscillator

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Formula</th>
</tr>
</thead>
<tbody>
<tr>
<td>P</td>
<td>inches/rev/min</td>
</tr>
<tr>
<td>R</td>
<td>inches/rev/min</td>
</tr>
<tr>
<td>T</td>
<td>min/rev/min</td>
</tr>
</tbody>
</table>

Crockett™ Suction and Uhle Boxes

Felt-Saver™
- Beveled front edge reduces impact and wear on fabrics and seams
- Beveled front edge improves lubrication from lube shower
- For single or up to five single slots on a box
- UHMW or ceramic filled

Seam-Saver®
- Beveled front edge reduces impact and wear on fabrics and seams
- Beveled front edge improves lubrication from lube shower
- Single or double row cover for a box
- For applications when the required width for one slot causes wear on the fabric from dragging the fabric down into the slot
- Requires less vacuum air volume than herringbone, saves energy
- UHMW or ceramic filled
Shenandoah™ Showers

Standard options available with all CVN Oscillators
- “Complete Coverage Cleaning” can be achieved by setting shower speed to relate to paper machine fabric or roll speed
- Schedule 40 316L Stainless steel construction
- Fabric protection from a control panel with an “on/off” control and motion sensing (proximity switch) to shut off high pressure shower water in case of paper machine stop or oscillator stop
- DCS interface for automatic control
- Installation conversion kits to replace any brand

Automated Brush Rotation
Highly recommended to keep nozzles clean and free of clogging…simple and reliable…programmable automatic rotation for consistent 1-12 hours between cleaning and prevent hardened buildup…random operator initiated cleaning possible.

CVN Vooner Oscillators

SRA-5000™
High Reliability…three balls in tracks for mechanical reversing…can oscillate a shower up to 500 inches wide (12.7m)…uses a low speed AC motor and planetary gear drive…fixed speed and variable speed options…standard stroke lengths 5, 6, 8, 9, 10 and 12 inches (127, 152, 203, 229, 254, and 305mm)…internal proximity switch provides automatic felt/fabric protection

Dolphin™ (formerly SRA1200)
Three balls in tracks for mechanical reversing…lightweight and economical…ideal for 2 to 4 inch pipe diameter showers (50 to 100mm)…ideal driver where machine speed tracking control of stroke rate is not required…designed for fabric width of up to 278 inches (7 meters)…fixed or variable speed with stroke lengths of 6 inches (152mm) or 12 inches (305mm).

General Morgan™ (formerly SRA2000)
CVN System’s original three ball reverser introduced in 1981…industry standard of “Complete Coverage Cleaning”…control panel to set shower speed to paper machine fabric or roll speed…high reliability with thousands still running throughout the world…rebuild and swap program by CVN…powered by Direct Current, DC motor for variable speed. Fixed mechanical stroke lengths.

Accessories For Showers and Actuators

CVN Vooner Gimble Mount™ for CVN Vooner Dolphin oscillator eliminates damaging binding load on oscillator drive shaft from misalignment of shower and oscillator.

Nozzles (Available in Greeneville, TN)

Call for information for our nozzles from self cleaning to convertible. Let us help you with your nozzle needs.
Vooner FloGard Vacuum Pumps

- Unparalleled customer satisfaction and quality
- Alternate solutions since 1983
- No charge inspection and witness factory performance testing to HEI standards at our facility
- Cast iron and stainless steel materials
- On site orifice plate performance testing
- Application specific custom systems capability
- Industrial duty dual port design
- Removable bearing carrier as standard

Represented by:

CVN VOOUNER

P.O. Box 129 · Greeneville TN 37744 USA
475 T. Elmer Cox Drive · Greeneville, TN 37743 USA
Phone: 423-638-2211 · Fax: 423-638-8805
info@cvnvooner.com · www.cvnvooner.com