Quantum R Aquarius R

Premium release cover technology for superior roll performance.

Perfect release is not an option.
Technology
Developed by Stowe Woodward’s global research and product engineering team, Quantum R and Aquarius R covers incorporate high release additives into high performance polyurethane covers. Utilizing these special formulas, Stowe Woodward has taken polyurethane roll covers to new performance levels in sheet release and non-stick applications. Combined with Stowe Woodward’s SMART™ Technology, Quantum R and Aquarius R provide the ultimate value to machine operations giving on-the-run nip profile data for maximum papermaking efficiency.

Application and Benefits

Quantum R
• Designed for paper machine pressing applications, Quantum R provides superior release performance in soft press, smoothing press, and calendar positions. The unique surface properties of Quantum R can release the sheet when other polyurethane or high release rubber covers fail to perform.
• Available through 60 P&J
• Superior abrasion resistance
• Excellent chemical abrasion resistance for wet soft press applications
• Superior FUSION bonding system for all press loads
• Excellent vibration dampening properties
• Low hysteresis for non-water-cooled applications

Aquarius R
Aquarius R provides the ultimate cover release surface for Lumpbreakers and other extra soft sheet release cover applications. Combining high release additives to the natural superior release characteristics of Aquarius polyurethane, Aquarius R covers are a level above all others.
• High P&J capability for a soft, low psi nip to prevent crushing
• High abrasion resistance for long life
• May be run without water showers in Lumpbreaker positions; however, showers may still be beneficial to minimize process chemical effects in wet end applications
• Excellent vibration dampening properties
• Typically non-water-cooled

Aquarius R and Quantum R are engineered to complement Xerium’s press optimization programs for maximum sheet consistency, machine runnability, and sheet properties. Combining Stowe Woodward roll cover technology with Xerium Technologies / Weavexx / Huyck.Wangner felt technology can provide significant improvements to your machine performance and sheet quality.

Handling for Quantum R and Aquarius R
• Re-evaluate sling width when handling soft covers – wide belt widths are required
• Requires heated truck below 40 °F, 4°C

For more information contact your Xerium representative, or visit Xerium.com.