

ProRelease⁺ upgrade

Optimization with combination of MultiSeal Plus and SkySeal family



ProRelease⁺ for maximum web release and lower draws

During the drying process and particularly in the pre-drying section, the paper web is still wet and sensitive. In order to reduce the forces on the paper web and to ensure a stable web release, a sufficient vacuum needs to be applied onto the paper web. Using high vacuum in the release zone, ProRelease⁺ assists web release from the drying cylinder, stabilizes the paper web on the dryer fabric, transports the web without wrinkles to the next drying cylinder, and thus leads to shorter draws and fewer web breaks. To maintain the high vacuum, the release zone is sealed by an energy-efficient mechanical sealing system, consisting of a sealing strip holder and the corresponding sealing strips.

MultiSeal Plus – sealing technology for highest vacuum levels

The web release and stabilization depends notably on the vacuum in the release zone. The higher and more stable vacuum results in better runability, higher machine efficiency, fewer web breaks and faster machine speeds. MultiSeal Plus is the new sealing strip holder for ProRelease⁺. Its innovative holder system allows easy access to the sealing strips for renewal as well as adjustments of the holder's position for both longer lifetime of the strips and improved sealing. Above all, the new fixing system of MultiSeal Plus allows smaller distances between the two sealing strip holders and thus, a more focused release zone with even higher vacuum.

Upgrade for ProRelease+

ProRelease+ is equipped with MultiSeal as standard. Both MultiSeal and MultiSeal Plus allow an energy-efficient mechanical sealing of the release zone. The MultiSeal holder is fixed in operating mode and comes with a swivel joint for easy exchange of the sealing strips. By contrast, the new MultiSeal Plus sealing strip holder is installed with a sliding device that allows the adjustment of the holder's position according to the best operating position and a service position for fabric change or maintenance.

The new MultiSeal Plus allows a new design of the high vacuum zone thanks to its optimized space requirements. As a result, the high vacuum conditions can be optimized and constantly maintained over a longer period or the production speed can be increased. Another benefit is that the lifetime of the strips can be extended to more than a year.

Benefits of ProRelease+ upgrade at a glance

- + Adjustable system for both longer lifetime of the strips and improved sealing
- + New vacuum zone geometry for maximum performance allowing higher machine speed
- + Focused release zone for efficient web release leading to fewer web breaks
- + Improved runability
- + Higher machine efficiency



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SkySeal Plus and SkySeal Flex – sealing strips with unique material characteristics

For the perfect fit, all Voith stabilizers equipped with MultiSeal technology are delivered with Voith sealing strips that offer high resistance to abrasion, superior material characteristics and excellent sealing properties. The sealing strip SkySeal Plus has been proven for many years now and is standard for newly built stabilizers.

In order to meet diverse customer needs, Voith has now extended its product portfolio with SkySeal Flex. The new sealing strip is made of special rubber material with outstanding mechanical properties such as elastic deformation after impact and memory technology for long stability and endurance.

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