



VELOVAC

APPLICATION AREAS

- **Packaging types:**
Valve bags made of paper
- **Industries:**
Chemicals, agriculture,
food, pharmaceuticals,
construction materials
- **Applications:**
Toxic, ultra-fine, or hygroscopic
powders (e.g., carbon black,
crop protection agents,
lithium hydroxide)

YOUR BENEFITS

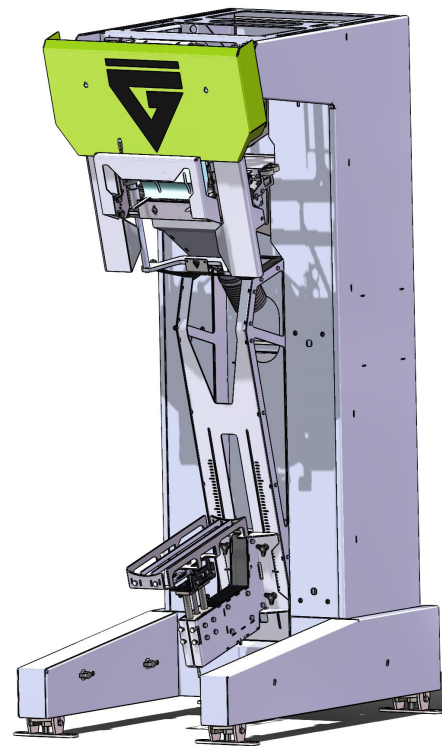
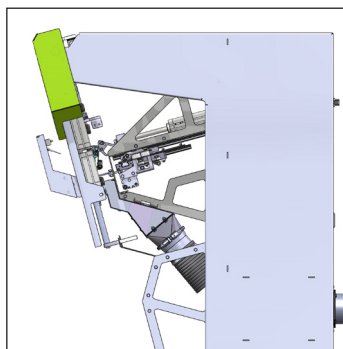
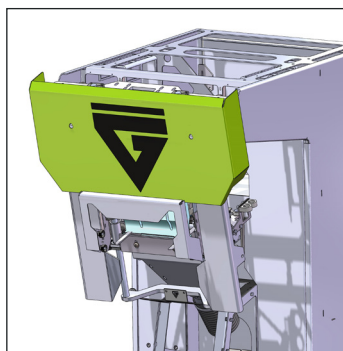
- Up to 60% stronger sealing
compared to conventional methods
- Maximum product and operator
protection thanks to highest seam
integrity
- Reduced cleaning and maintenance
efforts
- Seamless integration into existing
GREIF-VELOX systems and
compatibility with ValvoDetect,
ValvoMat and ValvoCut
- Lower costs due to retrofit capability
within the VeloVac ValvoSeal system
- Improved brand reputation through
fewer customer complaints
- Enhanced operational safety thanks
to containment capabilities for
hazardous substances

GREIF-VELOX ValvoSeal Safe: DOUBLE SEALED. ABSOLUTELY TIGHT.

Maximum protection, superior safety, and zero complaints: With ValvoSeal Safe, GREIF-VELOX takes clean and dust-free sealing of valve bags to the next level. This patented ultrasonic sealing technology applies a structured double seam, making it up to 60% more secure than conventional sealing methods on average (based on warm seam strength testing according to DIN 555712). ValvoSeal Safe effectively prevents dust emissions, protects employees, product and environment and ensures consistently clean filling and palletizing results.

HOW IT WORKS

After the filling process, the valve bag is precisely positioned—either manually or by robot—into the ValvoSeal Safe station. The ultrasonic sonotrode seals the valve in a precisely and intelligently controlled double-step process at the outermost end of the valve. This results in even greater strength and absolute tightness, even for the most demanding products.





ValvoSeal Safe

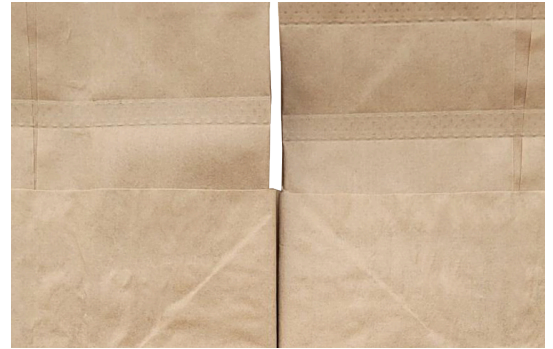
VELOVAC

DISCOVER HOW ValvoSeal Safe CAN REVOLUTIONIZE YOUR PRODUCTION PROCESS:

Scan the QR code or visit our website for more information.



Long sealing seam: prone to leaks and dust build-up at the open valve end



Left: GREIF-VELOX ValvoSeal with waffle pattern – large-scale, grid-like sealing structure
Right: GREIF-VELOX ValvoSeal Safe – double seam for even greater strength, safety, and cleanliness

CLEAR COMPETITIVE ADVANTAGE IN CLEANLINESS

Unlike conventional methods (e.g., longitudinal sealing), which are prone to dust accumulation and leakage at the valve end, the patented “waffle-pattern” structured seam effectively prevents product escape and contamination. The sealing process reduces product loss and increases bag durability—resulting in significant cost savings.



Sealing process with ValvoSeal Safe



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