



Sustainable vacuum solutions for beer bottle filling

Reduce your water and energy consumption, improve your product quality with lower TPO*!

Are you still using water consuming liquid ring pumps (LRP) in your beer bottling processes?

Minimize your operating costs and your environmental footprint with our dry screw vacuum pump system for beer bottle filling machines.



Water Saving

Up to 80% less water consumption compared to LRP. No contaminated sewage water.



Sustainability

Up to 20% less energy consumption compared to LRP.



Efficiency

Low Downtime and low maintenance.



High Performance

Consistent and improved bottling process quality (lower TPO level).



* Total Package Oxygen

Leybold beer bottling vacuum system

The optimal solution:

- Turnkey solution (1-to-1 replacement of LRP)
- DRYVAC DV 650 or 800 FP-r dry screw pumps for washdown environments (epoxy finish and cleanable stainless steel silencer)
- Stainless steel foam separator with self-draining tank
- Electrical cabinet with PLC controlling the entire system. Local control via push buttons or remote control by WebUI, hardware I/O or industrial Ethernet fieldbus
- Complete system designed for clean-in-place (CIP)
- Suitable for up to 60,000 bottles per hour depending on bottle format



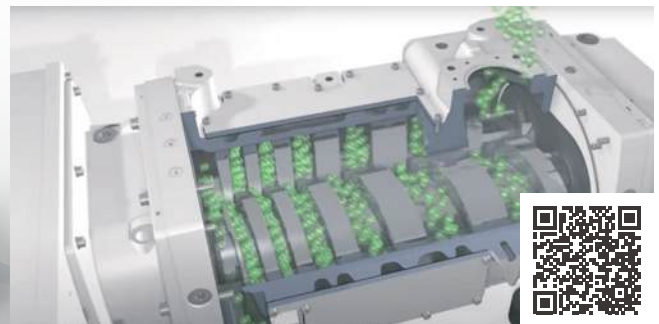
Advantages of Leybold's beer bottling system:

- Minimal to no water consumption
- Energy saving of up to 20% on average compared to liquid ring pumps
- Lower bottling pressure resulting in better TPO with longer shelf lifetime and possibly CO₂ consumption reduction
- Reduced maintenance and no risk of cavitation
- High robustness handling water vapor and liquid droplets
- Increased food safety through cleaning of complete vacuum system including the vacuum pump

DRYVAC DV 650 FP-r designed for wash-down environments



Take a look at our robust, dry-compressing **DRYVAC DV 650** vacuum pump. Here, you can see a strength test via the introduction of 10 liters of water:



 **Leybold**

Pioneering products. Passionately applied.