



## 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



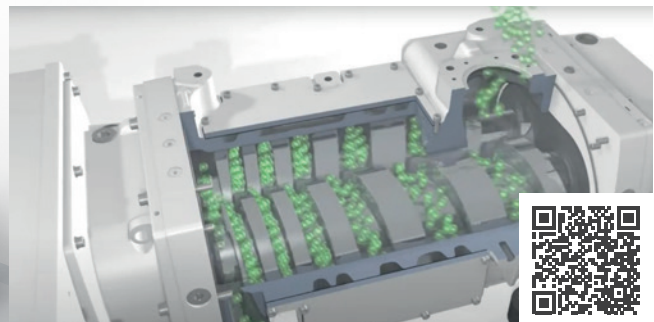
### Advantages of Leybold's beer bottling system:

- 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 CO<sub>2</sub> 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:



Pioneering products. Passionately applied.