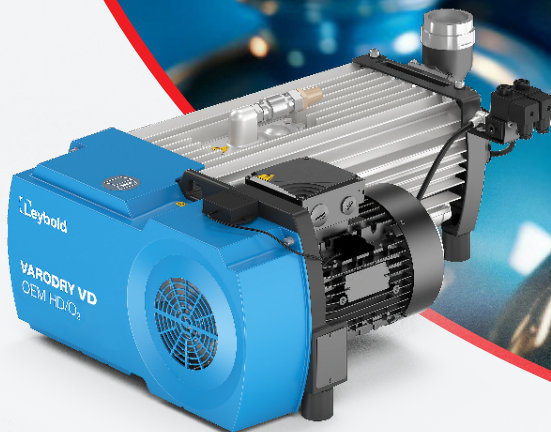




# Revolutionizing Gas Filling: The Success of Dry Vacuum Technology



## Leybold dry vacuum pumps enable better operational safety and savings

Dry vacuum technology presents many benefits for industries with its proven design for reliable performance and increased uptime for various applications. OE Meyer, a prominent leader in specialty gases, residential and industrial propane, welding supply, and automation solutions in the Midwest United States, highlights the beneficial operational improvements it has seen by switching to Leybold's VARODRY dry screw vacuum pumps.

### About OE Meyer

OE Meyer is a 100% employee-owned company based in Ohio, USA, with around seven different centers across the state. The company's commitment to providing top-quality products and services to its customers has helped it flourish and maintain its proud legacy for over a century.

OE Meyer primarily supplies industrial and specialty gases, welding, and fabrication equipment to businesses. The company supports various industries, from manufacturing and agriculture to hospital and beverage service applications. Wheth-

er it's a startup or an industry giant, OE Meyer is dedicated to offering the same level of personal service, on-time delivery, and quality product every time.

### The challenge

OE Meyer focuses on gas filling, cylinder filling, medical gas filling, oxygen filling, inert gas filling, and industrial gas filling. The challenges with the company's previously-owned vacuum pumps and systems were notably centered around oil leakage, a concern that incurred substantial costs and posed safety risks in the work environment. Regular oil changes, costing approximately \$1,600 each, were a significant financial burden. Furthermore, the persistent issue of oil leakage became a hazard, leading OE Meyer to seek an alternative solution.

### The Leybold solution

To keep up with operational needs and mitigate oil consumption and costs, a new vacuum system was needed. We introduced the Leybold VARODRY HD/O<sub>2</sub> dry vacuum pumps. The adoption of Leybold's VARODRY series of dry vacuum

pumps marked a transformative shift in OE Meyer's operations. The VARODRY series has proven to be quiet, clean, and efficient and also addressed the oil leakage issue experienced with previous installation. Opting for dry vacuum technology eliminated the risk of oil contamination and back streaming, providing a cleaner and safer work environment. Maintenance tasks, such as belt changes, now require 15 minutes per pump. More importantly, the VARODRY HD/O<sub>2</sub> seamlessly integrated into OE Meyer's current processes, leading to operational effectiveness and savings.

### VARODRY dry screw vacuum pumps

Leybold VARODRY vacuum pumps have a robust and proven design with reliable performance and increased uptime for industrial applications. Designed to be energy efficient, the VARODRY series increases production yield and allows for continuous production in a demanding process with minimal risk of contamination thanks to modern, oil-free technology.

### The outcome

OE Meyer's switch to VARODRY vacuum pumps resulted in savings of approximately \$19,200 in PFPE oil use alone. Additionally, the elimination of maintenance challenges associated with oil changes contributed to a further \$19,000 in savings. The VARODRY pumps have not only enhanced operational efficiency, but have also alleviated concerns and streamlined processes, making operations cleaner and more cost-effective.

Crucially for OE Meyer, where medical gas filling is a substantial portion of their business, the safety of their workers and facility is paramount when working with oxygen. Third party certification for operation in oxygen rich processes gave them peace of mind needed to make the switch to dry vacuum technology.

### Hear from OE Meyer

"Regarding Leybold's services, our experience thus far has been positive. The cus-

tomers support provided by their team has been timely, and our interaction with maintenance personnel has proven invaluable.

Not only have we received effective solutions to our challenges, but we've also gained insights, tips, and tricks that enhance our ability to undertake future servicing independently. As a result, our overall satisfaction with Leybold's products and services remains high."



Compact and  
easy to install



Minimal risk of  
contamination



Oil-free  
technology



Oil-free  
technology



Third-party tested  
O<sub>2</sub> safe dry pump



Sophisticated rotor design  
for high energy savings



**Leybold**

Pioneering products. Passionately applied.

**OEM MEYER CO**  
Employee Owned

O.E. Meyer Co.  
<https://www.oemeyer.com>