

Meeting the Filling Requirements of the Future

There is an increasing market demand for more accurate, traceable and hygienic filling processes. Danish engineering company VARO has developed a new versatile filling system that meets these demands and sets new standards for the filling process.

The VARO filling system ensures precise and traceable handling of all aspects of the filling operation of 5-30 litre jerry cans. The system consists of a number of independently working lances. This brings a high level of production flexibility and ensures, that the operation of the individual lance can always continue regardless of the actual operation of the other lances.



High Accuracy

The filling accuracy of the system is down to 0.2 %, depending on product viscosity and size of the jerry can. The filling follows the bottom-up principle, which prevents foaming and allows for very precise filling. The tare and gross weight of all jerry cans are automatically monitored via individual load cells on the filling system. This ensures high filling accuracy regardless of can type and prevents overflow.

Hygienic Design

All lances have fully automatic CIP cleaning and all surfaces surrounding the lances are designed for complete wash-down. This enables safe and quick product change-over and makes the system an obvious choice for all high-end products within the food, pharma, and chemical industry.

“VARO has developed a unique piece of equipment, which has helped us set new standards for our filling process.”

Jesper Hansen Global Technical Specialist
Novozymes (DK).

An integrated VARO filling line has been in operation at Novozymes since 2011

Easy Access

The entire VARO filling system is designed with accessibility in mind – both when it comes to maintenance and in terms of visual inspection of the filling operation. The construction of the system means that all main aspects of the filling process is easily accessible and viewable for the production team.

Full traceability

All jerry cans are transported through the filling system on unique VARO transport units with RFID tags. This means that every aspect of the filling process is closely monitored and the entire filling process is fully traceable. Another feature of the VARO transport unit is a flexible handling function, which can easily be adapted to different can sizes.

Integrated lines

VARO also offers complete filling systems which include all aspects of the filling process: depalletising, capping and palletising including interconnecting conveyor system. Although being a standardised system the complete line can be customized to fit the layout of most production facilities.



The VARO Filling Station:

- **High Filling Accuracy** Down to 0.2%
- **High Capacity** Up to 600 units/hour
- **Quick Changeover** Product and can size
- **Full Traceability** RFID tags
- **Hygienic Design** CIP & wash down (IP66)