



## ■ Use Case: Compressed air for special glass

Our globally active customer produces hollow glass packaging for food and beverages in France.

### Challenge:

After their production, glass bottles are packed in several units on pallets, sealed in plastic film and stored. From there, the glass bottles are delivered to customers and sent to their further destination. For their use, the bottles are subject to the strict regulations of the food industry in order to exclude the influence of harmful substances on the food to be filled.

Therefore, the appearance of condensation under the plastic film during storage is also classified as non-compliant. The delivery of pallets with condensation under the film had already led to some returns from customers.

### Solution:

The customer uses compressed air to dry the air volume in the packaging space below the films covering the bottles before shipping. This compressed air must be very dry. After extensive testing, BEKO TECHNOLOGIES, together with a local trading partner, proposed to the customer a technical solution in which the compressed air is first filtered by a CLEARPOINT compressed air filter, and then dried by a DRY-POINT M eco control compressed air membrane dryer. Subsequently, the compressed air is expanded to 1 bar ambient pressure and applied.

Since only a very small volume flow is required for the application, the DRYPOINT M eco control membrane dryer with its controllable pressure dew point offered a decisive advantage here in terms of performance compared to other dryer processes such as refrigeration or adsorption drying: It simply fit.

The system also independently monitors relative humidity and operating pressure. For additional monitoring, the customer uses METPOINT FLM flow sensors and METPOINT DPM pressure dew point sensors. The data obtained is collected and documented in a METPOINT BDL compact data logger.



## Use Case: Compressed air for special glass

### Conclusion:

The performance of the new compressed air treatment system in terms of the required process reliability and energy efficiency, combined with the advice and commissioning provided by BEKO TECHNOLOGIES France and its trading partner, convinced the customer. The customer has purchased 2 systems directly, further orders of 10 systems were announced.



### Products:

- 1 x Compressed air membrane dryer system DRYPOINT M eco control Compressed air membrane dryer
- 1 x CLEARPOINT compressed air filter
- 1 x METPOINT FLM sensor SF13
- 1 x METPOINT DPM Sensor SD23
- 1 x METPOINT BDL compact data logger



## ■ Use Case: Compressed air for special glass