



Use Case: Compressed air in the food industry

Vegan and oil free

Challenge:

A German food producer produces vegan products from exclusively organic produce. These products were examined by the magazine ÖKO-TEST. In the process, an increased contamination of the food with mineral oils was determined. This test result was published in the magazine, which, besides damaging the image of the company concerned, immediately led to an analysis of the possible causes. Because market forecasts clearly show: "Vegan" is an absolute growth topic. Therefore, we recommend companies to position themselves future proof.

Solution:

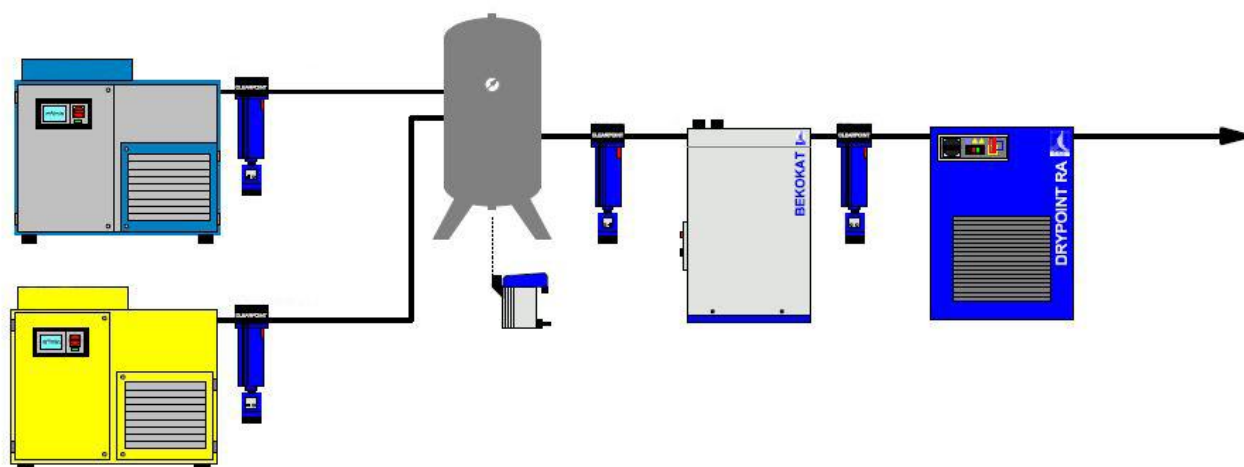
Within the scope of the analysis, the compressed air supply and the use of this medium was also examined. In the packaging process, a packaging foil is deep drawn over the product using compressed air and then sealed.

At this point, the compressed air has indirect contact with the food. Further analysis revealed that the compressed air treatment installed on site was inadequate - a potential source of mineral oil contamination of the product. In order to be able to exclude oil contamination by compressed air and contamination of the food in the future, the producer decided to invest in a new treatment system for oil-free compressed air.

In this regard the producer approached BEKO TECHNOLOGIES. During the consultation BEKO TECHNOLOGIES presented several approaches to a solution. The manufacturer was quickly convinced of the HiTech solution: The use of a catalytic converter BEKOKAT for the generation of oil-free and sterile compressed air.

This package was rounded off with new CLEARPOINT compressed air filters, a DRYPOINT RA refrigeration dryer and a new ÖWAMAT condensate treatment system. A completely new, process-technically safe and economically efficient compressed air treatment system.

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Conclusion:

With the BEKOKAT solution the producer has Premium variant for food safety selected in its compressed air supply.

For the future, the company wants to be able to completely exclude the topic of oil-containing compressed air and show its customers that it is active and well positioned in this area. The customer thus complies with the high quality standards in the food sector and meets classes 2-4-1 according to ISO8573-1.



Products:

Compressed air filters CLEARPOINT®
Catalytic converter BEKOKAT®
Refrigeration dryer DRYPOINT® RA/AC
Condensate trap BEKOMAT®
Condensate treatment ÖWAMAT®

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