



## ■ Use Case: Compressed air in the packaging industry

### Stable pressure dew point for packaging machines

The customer is a large office online mail order company in Germany. Their portfolio includes classic office materials, office furniture, tools, equipment for warehouses and even food. There is no in-house production. As a mail order house, the company has well-organized logistics. The packaging machines used for this purpose require compressed air for their work. Only recently, three new packaging machines were purchased.

#### Challenge:

There had been problems with the pressure dew point (PDP) for quite some time. There were also oil residues on the filter housings in the existing compressed air treatment system. However, the 3 new packaging machines required a stable pressure dew point and high quality compressed air.

#### Solution:

Together with the dealer partner Reiser Drucklufttechnik, the customer's two existing compressed air systems were analyzed and improvements presented. In the first step, the compressor in one compressed air system was replaced by a newer one. The following compressed air treatment was mainly realized with BEKO TECHNOLOGIES products. For compressed air drying, a refrigeration dryer DRYPOINT RA630 was installed.

The customer noted the PDP from a sensor display on a weekly basis. By using the DRYPOINT RA630 the PDP was reduced from fluctuating +5°C to a stable temperature of +3°C. Due to this positive result, the second compressed air system was also rebuilt, again with a new compressor and a DRYPOINT RA refrigeration dryer.

#### Conclusion:

The DTP is kept stable at +3°C, the new packaging machines receive dry compressed air of the required quality. In addition, additional CLEARPOINT filter units were installed upstream of each packaging machine to minimize the residual oil content of the compressed air.

#### Products:

- 2 x refrigeration dryer DRYPOINT® RA 630
- 1x CLEARPOINT M022 FWF fine filter
- 1x CLEARPOINT M022 SWF Super Fine Filter

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