



DRYING



# DRYPOINT® RA

the most economic way to dry compressed air





## The DRYPOINT® RA Principle

It is not the initial product cost that determines the cost efficiency of refrigeration dryers – but the operating costs. Considering an operating period of five years, only 20 to 30% of the total costs are allotted to the pure investment, while 70 to 80% are allotted to the on-going operating costs.

With DRYPOINT® RA standard non cycling dryers and the new DRYPOINT® RA CT cycling dryer line, these operating costs can be reduced by less than half, considering a period of time of five years. In the return-on-investment calculation, the full potential of the new refrigeration dryer generation is proven: the dryer is paid off within just 6 months of operation.

The BEKO Technologies product family of compressed air refrigeration dryers provides users with several advanced features creating a balanced and efficient drying system. The unique VarioFlow technology of the hot gas by-pass valve, utilizes a special, gas charged capsule that operates independently of any electronic support. Thus providing users with a 100% stable dew point, no maintenance, and zero freeze-up.

The synergistic effect when combined with a BEKOMAT® drain results in a dryer that has a direct effect on reducing energy consumption and displays maximum respect for the environment because nearly every component can be recycled. This not only adds to the stability and reliability of the dryer, but transforms one of the most inefficient pieces of compressed air treatment into an energy saving one.

### FEATURES AND BENEFITS:

#### + ALUMINUM HEAT EXCHANGER

*vertical profile allows for minimum pressure drop and self cleans using gravitational force*

#### + ENERGY SAVINGS

*increased energy savings with the conventional RA non cycling and new RA CT cycling dryer line*

#### + INTEGRATED BEKOMAT® DRAIN

*reliable condensate discharge and maximum energy savings*

#### + VARIOFLOW HOT GAS BY-PASS VALVE

*stable dew point regardless of varying operating conditions - patented design*

#### + MAINTENANCE FRIENDLY

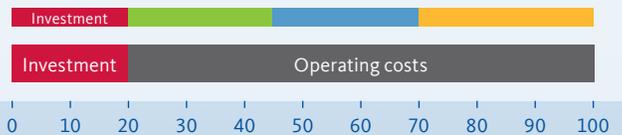
*the compact design and open frame provides easy access to all components*



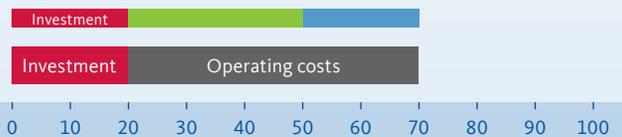
### Convincingly Economical

The life-cycle costs of the DRYPOINT® RA in comparison\*

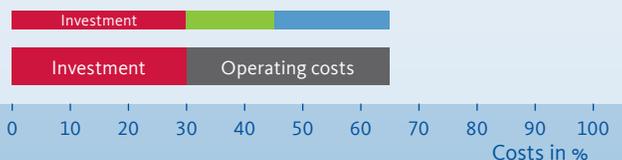
#### Conventional non-cycling dryer



#### DRYPOINT® RA non-cycling dryers



#### DRYPOINT® RA CT cycling dryers



■ Electricity requirements ■ Pressure loss ■ Leakage (drain)

\* calculated for a period of five years



Standard refrigeration dryers



Cycling refrigeration dryers



High pressure refrigeration dryers



High temperature refrigeration dryers

## DRYPOINT® RA Refrigeration Dryer

The intelligent construction of the compressed air refrigeration dryers not only allows for the highest functionality, but also reliable and cost effective operation. In this respect, the fundamental elements are the vertical design of the heat exchanger in accordance with physical principles (top-down condensate flow), a stainless steel demister for safe separation and a large settling chamber preventing the re-entrainment of the condensate.

**DRYPOINT® RAc:** a max. inlet air temperature of 130°F, max. ambient temp of 115°F, the max. flow rate is 480 scfm.

The **DRYPOINT® RAx:** max. inlet air temperature is 160°F, max. ambient temp of 120°F, max. flow rate is up to 5000 scfm.

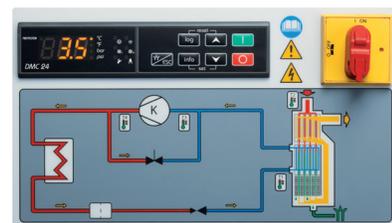
The **DRYPOINT® RA CT:** max. inlet air temperature is 160°F, max. ambient temp of 120°F, max. flow rate is up to 500 scfm.

The **DRYPOINT® RA HT:** max. inlet air temperature is 210°F, max. ambient temp of 122°F, max. flow rate is up to 350 scfm.

The **DRYPOINT® RS HP:** max. inlet air temperature is 160°F, max. inlet pressure is 725 psig with a max. flow rate is up to 1750 scfm.

The DMC 24 Controller (DRYPOINT® RAx 250 to 5000):

- > Dewpoint temperature display
- > LCD display panel
- > BEKOMAT® drain test button
- > Fully programmable from the front panel
- > Complete LED status indication
- > Working hours metering
- > Advance Service Warning function
- > Advance Alarm Management function
- > PC or control system connectivity

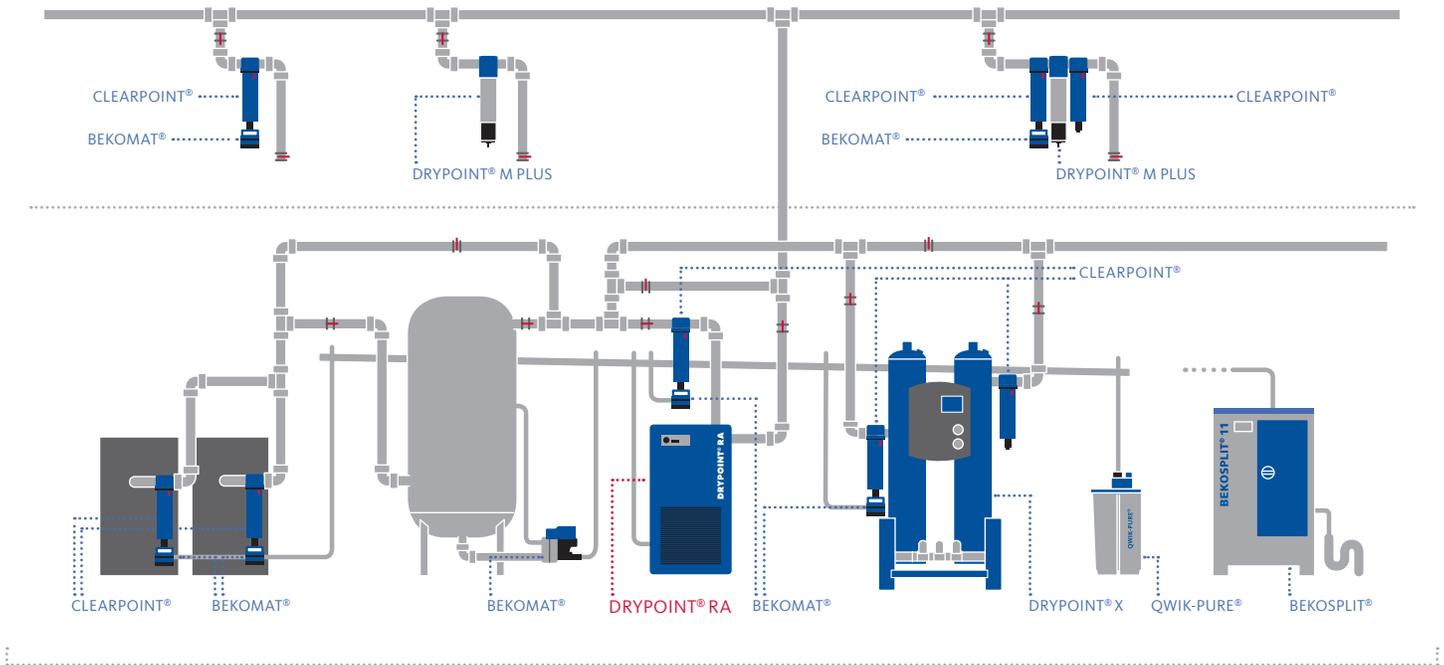


DMC 24

# Truth in Compressed Air

We at **BEKO** Technologies develop, manufacture and distribute products and systems for an optimized compressed air and compressed gas quality throughout the world. From the processing of compressed air and compressed gas through filtration and drying, via the proven condensate technology to instruments for the quality supervision and measurement. From the small compressed air application to demanding process technology.

Since its founding, **BEKO** Technologies has continuously given decisive input to compressed air technology. Our ground breaking ideas have exerted considerable influence on the development of the compressed air industry. In order to keep this going, more than 10% of our employees work in research and development. With this potential and with our personal commitment, we at **BEKO** Technologies stand for trend-setting technologies, products and services.



## The product categories

 <p><b>Condensate drainage</b> BEKOMAT®</p>	 <p><b>Filtration</b> CLEARPOINT®</p>	 <p><b>Measurement technology</b> METPOINT®</p>
 <p><b>Condensate processing</b> ÖWAMAT®   QWIK-PURE®   BEKOSPLIT®</p>	 <p><b>Drying</b> DRYPOINT®</p>	 <p><b>Process technology</b> BEKOMAT®</p>



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