



CONDENSATE DRAINAGE



# BEKOMAT®

intelligent condensate drainage with true zero air loss





## The BEKOMAT® Principle

The generation and processing of compressed air always involves the formation of condensate which, in most cases, contains oil, is contaminated with dirt particles and disperses over the entire compressed air network. A system problem that can increase costs and cause damage. In addition, condensate does not accumulate regularly but varies depending on the climate, temperature, season, time of day or on the capacity utilization of the compressor. Using an electronically level controlled BEKOMAT® the condensate in the compressed air system is drained automatically.

Compared with conventional drains, the BEKOMAT® has decisive advantages, especially since it:

- functions unaffected by dirt, resulting in reliable operation
- is equipped with an alarm signal
- has large cross-sections to prevent emulsification
- operates in accordance with the actual condensate quantity
- avoids the unnecessary loss of compressed air

### FEATURES AND BENEFITS:

- + TRUE ZERO AIR LOSS:  
*maximum energy savings*
- + HIGHEST RELIABILITY:  
*unaffected by dirt*
- + LOWEST MAINTENANCE:  
*reduce overall time and costs*
- + SENSOR CONTROLLED:  
*safe for all condensate types*
- + FULLY AUTOMATIC:  
*monitors level and function*
- + INTEGRATED ALARM:  
*with potential free contact*



### Energy loss of common drains vs. BEKOMAT®



\* per year loss at 8,000 hours and \$0.07 kW/h



BEKOMAT® standard units



BEKOMAT® speciality units

## BEKOMAT® condensate drains

Condensate can be aggressive, pollutant-loaded or contain oil. The BEKOMAT® range of products offers the right solution for every case of application. All model variants can be adapted to every supply voltage. The control elements and the control itself are waterproof, in accordance with IP 65 standards.

**BEKOMAT® Standard Series:** 31 | 32 | 33 | 33 CO | 13 | 13 CO | 14 | 14 CO | 16 CO  
For use in standard applications with a max. flow of 50,000 scfm and a max. pressure of 232 psi.

**BEKOMAT® PN High Pressure Series:** 12 CO PN63 | 13 CO PN50 | 14 CO PN25  
For use in high pressure applications with a max. flow of 5,400 scfm and a max. pressure of 915 psi.

**BEKOMAT® E High Pressure Stainless Steel Series:** 3 E 25 | 3 E 63 | 6 E 25  
For use in high pressure applications with a max. flow of 50,000 scfm and a max. pressure of 915 psi.

**BEKOMAT® CV Series:** 13 CV | 14 CV | 16 CO CV  
For use on all stages of centrifugal compressors with a max. flow of 50,000 scfm and a max. pressure of 232 psi.

**BEKOMAT® NLV Series:** 3 CO NLV | 6 CO NLV  
For use on all stages of centrifugal compressors with a no-load valve and a max. flow of 50,000 scfm and a max. pressure of 360 psi.

**BEKOMAT® EX Series:** 3 CO EX | 3 E EX | 6 CO EX | 6 E EX  
Explosion proof making them the perfect solution for the most hazardous locations with a max. flow of 50,000 scfm and a max. pressure of 232 psi.

**BEKOMAT® 8 & 9:**  
For flows higher than 50,000 scfm.

### The intelligent concept for fast installation and maintenance:

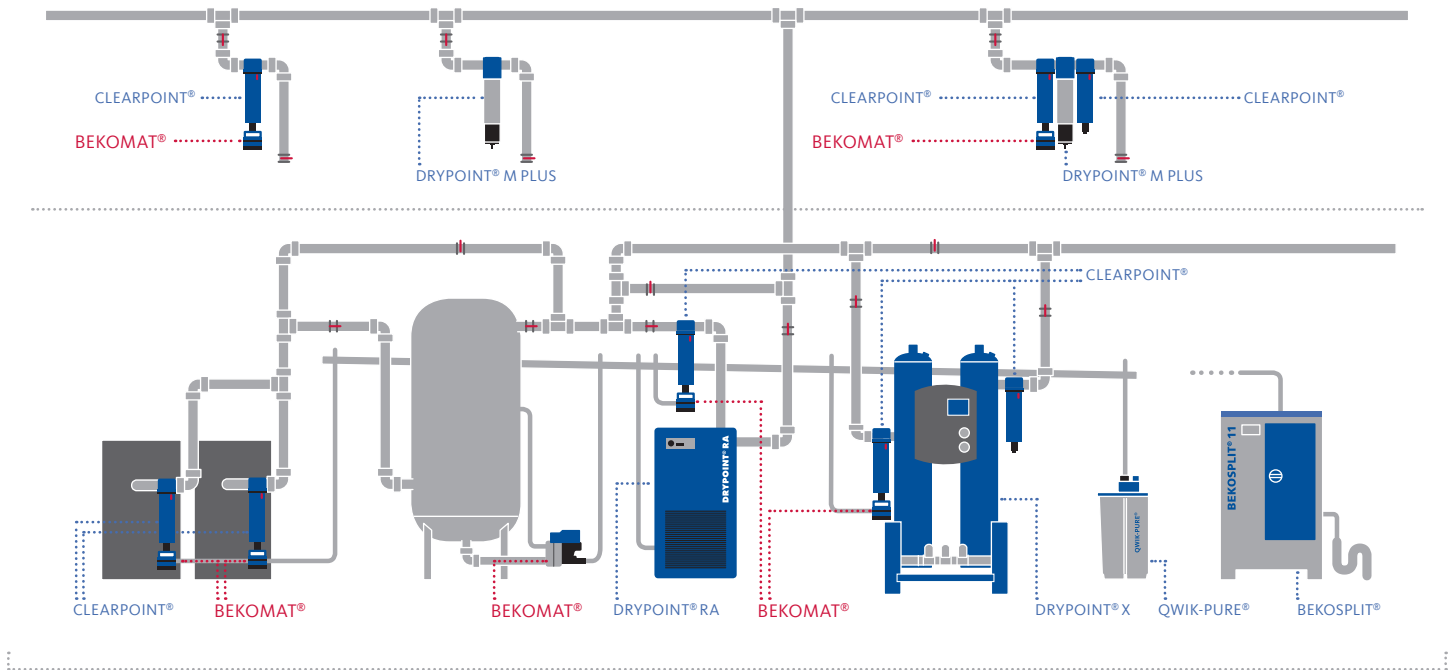
The installation concept is user-friendly and time saving: the device only needs to be connected once electrically. A service indicator will inform you in a timely manner when maintenance should be performed or the service unit replaced. All wearing and pressurized parts are accessible with a flick of the wrist, without any electrical de-installation or removal of individual parts.



# 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



**Condensate drainage**  
BEKOMAT®



**Filtration**  
CLEARPOINT®



**Measurement technology**  
METPOINT®



**Condensate processing**  
ÖWAMAT® | QWIK-PURE® | BEKOSPLIT®



**Drying**  
DRYPOINT®



**Process technology**  
BEKOMAT®



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