



FILTRATION



CLEARPOINT®

the filter generation with the 3E effect





The CLEARPOINT® Principle

During compressed air generation and processing, the optimum quality for the respective application should be achieved. The most important target is to remove contaminants, humidity and oil from the compressed air, as these can lead to a deterioration in quality, machine failure, or even to a loss of production or to products that cannot be used.

Contaminants in compressed air

The generation of compressed air always involves some form of contamination. In most cases, the air stream contains oil and unwanted particles that disperse over the entire compressed air network. This is a system wide problem that will cause damage and cause costs to increase. In addition, contamination does not accumulate at regular intervals, but varies depending on the climate, temperature, season, time of day and even the capacity utilization of the compressor. Therefore, it is best to always be protected for the worst case scenario.

3E Effect

BEKO Technologies uses new 3E filter material for all filter elements. This increases the lifetime and efficiency up to 30%.

FEATURES AND BENEFITS:

+ ENERGY EFFICIENT ELEMENTS (3E)

all 3E element design made of sintered borosilicate fibers for ultra low differential pressure

+ FLOW OPTIMIZED HOUSING

the unique curved inlet design was engineered to provide the lowest possible differential pressure

+ MAXIMUM RELIABILITY

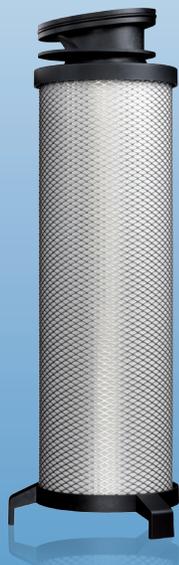
double threaded filter head, extruded, fully anodized sea-water resistant housing, and zero loss drain option

+ COMPREHENSIVE LINE

from 25 to 50,000 scfm and up to 7,250 psi

+ SIMPLIFIED MAINTENANCE

simple, push-fit element design without the use of tie-rods and integrated housing safety latch with audible alarm



	Old filter material	New filter material
Borosilicate fibers	2 ... 10 µm	< 2 µm
Separation area	100%	400 ... 500%
Cavity volume	95%	98%
Material volume	5%	2%
Mechanical stability through	Binding agents	Thermally fused borosilicate and polyester fibres
Intrinsic emissions	Possible	Impossible



Flanged and threaded filters



High pressure (PN) filter



High pressure (HP) filter



Water separator

CLEARPOINT® filters and water separators

The CLEARPOINT® compressed air filters are part of an integrated overall concept for professional compressed air processing. Therefore, they offer all of the advantages of our technology for more efficiency and profitability: highly functional, optimized components and combined with a level of quality without compromises.

The complete range

CLEARPOINT® filters are available as coalescing filters from 0.01 µm - 25 µm, vapor and particulate removal models as well as water separators, for operating pressure of up to 725 psig and high pressure units 1,450 to 7,250 psig.

Maximum separation

CLEARPOINT® water separators typically used at after coolers and refrigeration dryers achieve an efficiency of up to 99% over a wide volume spectrum due to the flow optimized design. Through this unique design they guarantee highest separation rates at the lowest operational costs.

Optimum performance in a combination

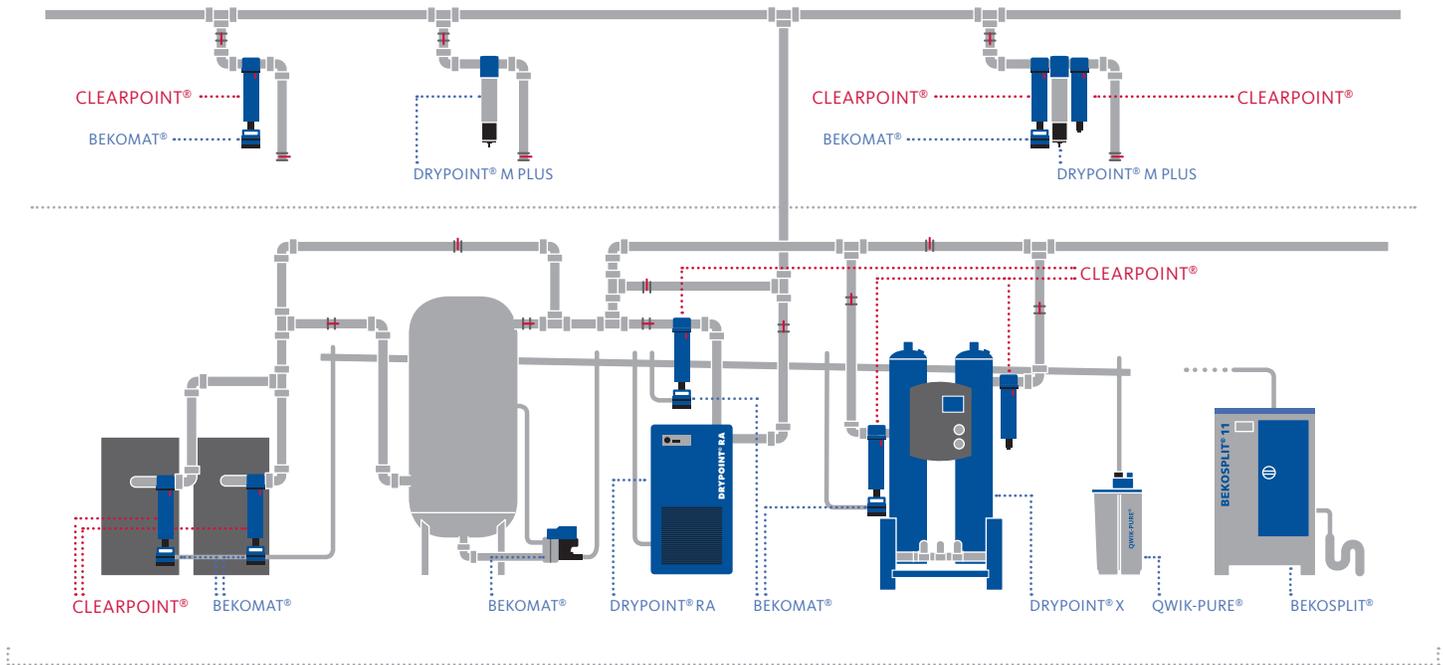
The electronically level-controlled BEKOMAT® 32 condensate drain is specifically designed to be installed in combination with CLEARPOINT® compressed air filters. Besides the well known reliability BEKOMAT® drains, an additional advantage is the transmission of alarm indicators via a potential-free contact.



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



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