

BEKO COMPRESSED AIR TECHNOLOGIES PVT.LTD.

COMPANY PROFILE

World renowned tried and tested **compressed air and compressed gas Technologies Company**. For quality made in Germany. And for values made by BEKO TECHNOLOGIES. BEKO products, systems and solutions ensure the required compressed air quality that customers demand for their production processes – safely and energy-efficient.

The compressed air supply for our end customers is improved by our products and systems for compressed air treatment and processing, combined with our know-how. Our honest and fair pricing structure is the best for their business.



PRODUCTS

Condensate technology for compressed air treatment

Because the humidity of the ambient air is contained in the intake air, condensate always accumulates during compressing the compressed air in the compressor. The contamination already contained in the ambient air, such as dust and dirt particles or aerosols, are then located in the condensate in highly concentrated form. Condensate continues to also accumulate again in the additional compressed air treatment (filtration and drying) procedure. The condensate technology enables this polluted and environmentally harmful waste product to be discharged and treated, as it must not be initiated into the sewer system.

BEKOMAT

BEKOMAT helps you remove condensate from your compressed air and achieve the optimum quality for your application . In doing so, the energy expenditures and thereby the costs are kept as low as possible. Renowned compressor manufacturers from all over the world rely on the intelligent technology from BEKOMAT.



ÖWAMAT-

Our OWAMAT oil-water separators are available as system-related in six sizes with or without pre-separation. They combine environmental protection and economic efficiency and enable the environmentally friendly treatment of dispersed condensate directly at the point of origin. That is economical, efficient - and the cost-effective alternative.

Emulsion Processing: BEKOSPLIT—

The BEKOSPLIT emulsion splitting plant enables reliable, economical and company-internal processing of emulsified condensate, which has resulted from unfavourable initial operating conditions or due to certain lubricant-compressor combinations. Insoluble in water organic contaminations and soiling like oil and solid contamination will be removed by the addition of a special splitting agent. The discharged water can subsequently be safely routed into the wastewater sewer system.

Compressed Air Filtration

CLEARPOINT - 3eco: the latest filter generation -

The latest generation of the CLEARPOINT 3eco compressed air filter series has enabled us to improve our solutions for efficient compressed air filtration even more, we decreased the residual oil content by 10 times after the filter and the energy efficiency can therefore be considerably optimised.



- Efficient filtration between 30 % and 130 % for the energy-optimised volume flows
- Up to 30 % higher volume flow
- Simple, safe and space-saving connection for multiple filters
- Performance range from 35 to 3,120 m³/h at 7 bar

CLEARPOINT– W water separator –

A water separator extracts the condensate particularly economically from the compressed air. Decisive hereby is the reduction of the flow resistance. What applies here is the lower the flow resistance, the lower the operating costs. The CLEARPOINT W water separator functions with an extremely low pressure difference and thereby achieves the highest separating rates.



Compressed Air Dryers

Adsorption dryers –

With DRYPOINT AC we offer cold-regenerating and with EVERDRY heat-regenerating adsorption dryers. Both series are suitable for high quality requirements where very low pressure dew points must be achieved or at very high flow rates.



DRYPOINT AC:-

Reliable drying – even under high pressure: When the conditions are unfavourable and the air volume flows are higher, then the demands on the construction design of a compressed-air dryer are also higher. Our cold-regenerated adsorption dryer is particularly robust and durable due to its high-quality components. They remove the humidity from the compressed air in an efficient and safe manner by utilising a desiccant.



EVERDRY- FRA ambient air: Cooling utilising ambient air:

Desorption with **EVERDRY FRA** is executed in the counter-current to the adsorption direction with heated blown air and cooling by utilising blown air in the direct current. No compressed air losses therefore result for regeneration (ZERO Purge). Utilising this adsorption dryer is dependent on the ambient conditions, which must be inspected before every application.



Refrigeration dryers –

Refrigeration drying is the most cost-effective technology for the drying of compressed air: The compressed air is cooled, so that water vapour in the air condensates inside the unit and can be drained off. For fluctuating volume flows, we recommend the **DRYPOINT RA eco**, as its intelligent controls enables you to make significant energy savings. For applications where stable conditions are a key requirement, the standard **DRYPOINT RA** direct expansion dryer is the most efficient solution.

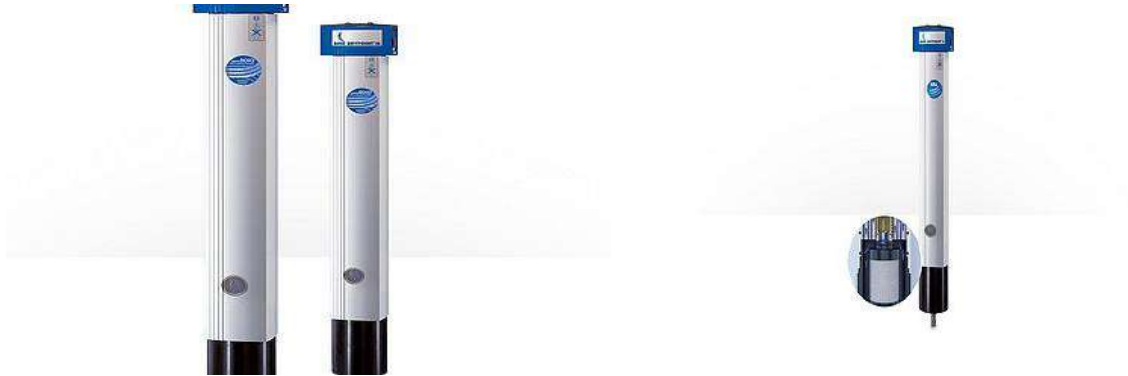
Note: Refrigeration dryers are the most economical drying method for any system



Membrane dryers–

DRYPOINT- M PLUS membrane dryer: -Dryer and filter in one

Compact, reliable, without electricity: The **DRYPOINT M Plus** membrane dryer dries the compressed air by means of highly selective membranes. Pressure dew points between +15 and -40 °C can therefore be achieved - one reason for the diverse range of applications even under changing operating conditions. An additional bonus: the integrated nanofilter, which fulfils all the requirements for efficient filtration and thereby also protects the membranes.



Measurement

METPOINT- BDL and BDL compact –

The METPOINT BDL and BDL compact are centralised signal processing units. They therefore represent, for all example, all the relevant variables in compressed air. The integrated data logger presents process data as clear, unambiguous statistics and graphics. You can therefore execute the complete monitoring process with just one device.



METPOINT- BDL portable –

The mobile METPOINT BDL portable data logger enables rapid and simple measurement data recording and evaluation of the compressed air quality directly on site.



a) METPOINT- DPM: Dew point measurement –

- Records the dew point of your compressed air via the relative humidity and temperature
- Provides information regarding the functional capabilities of components
- Suitable for mobile and stationary monitoring
- Provides constant, up-to-date process data
- Guarantees safety in the process chain
- Sturdy stainless steel housing suitable for applications in extremely demanding process environments

b) METPOINT- LKD: Leakage detection –



APPLICATIONS:-

Conveying Air –

An example of an application field for conveying air is transporting bulk materials because bulk goods are frequently transported via pneumatic conveying by pressure or vacuum conveying processes. The requirements for the compressed air quality depend on the type of bulk material and additional processing involved.

Control Air –

Compressed air as control air plays a major role in commercial production and cannot, to date, be disregarded. There are numerous pneumatic applications and every one of them must be controlled.

Process Air –

The pharmaceutical industry also implements process air to e.g. manufacture and package tablets. Depending on the production stages, the compressed air must be dry, germ-free and sometimes even sterile.

Our product recommendations:

[CLEARPOINT steam- and sterile filters](#)

[BEKOKAT hydrocarbon removal](#)

Sterile Air–

Sterile compressed air can be utilised both in the process as well as a conveying and control air. Its designation comes from the characteristic that the compressed air utilised must be sterile. This means that the compressed air must be free of propagating germs.

Our product recommendations:

[CLEARPOINT steam- and sterile filters](#)

[BEKOKAT hydrocarbon removal](#)

Respiratory Air-

Medical respiratory air as medicinal products is subject to the directives of the European Pharmacopoeia as well as various other DIN directives because the artificial respiration of human beings demands the highest levels of sensitivity and awareness. Even the smallest amount of air contamination can significantly endanger the patient's well-being. Clinics must especially guarantee 24/7 monitoring to be able to ensure that the strictly regulated limits in the respiratory air are not exceeded.

Our product recommendation:

[METPOINT MMA](#)

Compressed air solutions according to industries -

Car Industry & Automotive – Food & Beverages – Chemicals – Pharmaceutical industry – Engineering – Medical Technology – Electronic Industry – & Many more.....