



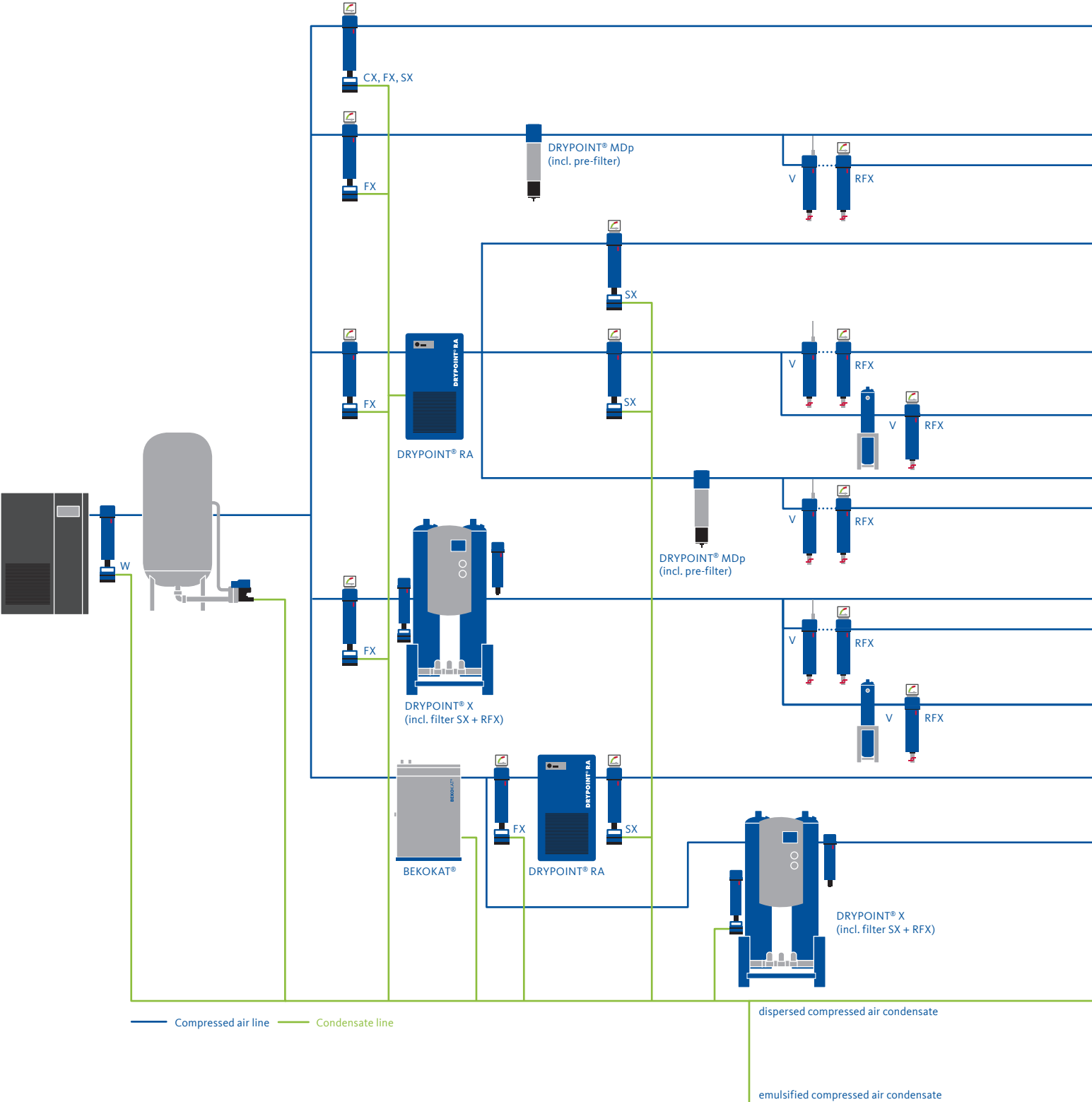
## Product Portfolio

**Your compressed air - Our know-how**  
components and engineered systems for compressed air and gas treatment

Truth in Compressed Air.

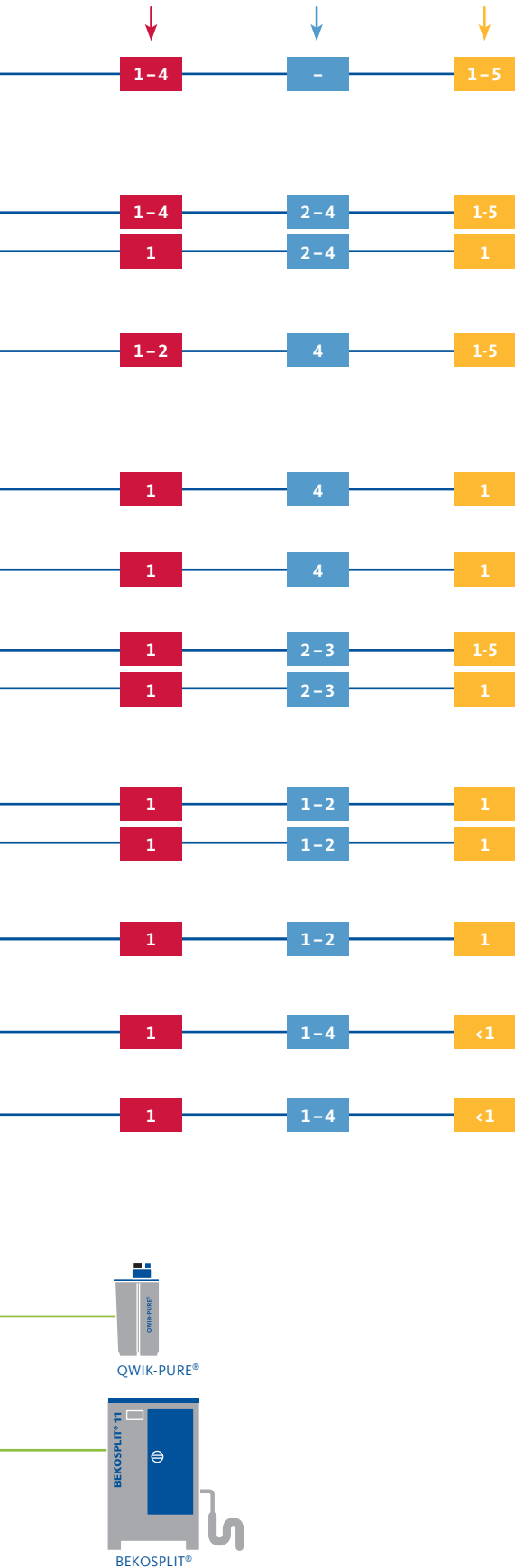


# Complete compressed air processing at a glance:



# your single source of supply and quality you can rely on.

Solid particles      Pressure dew point      Oil/oil vapor



## Air quality classes in accordance with ISO 8573-1:2010

Class	Solid particles, max. number of particles per m <sup>3</sup>			Pressure dew point °F	Oil content (liquid, aerosol, oil vapor) mg/m <sup>3</sup>
	0.1 µm < d ≤ 0.5 µm	0.5 µm < d ≤ 1.0 µm	1.0 µm < d ≤ 5.0 µm		
0	In accordance with the unit operator's or supplier's specifications, stricter requirements than class 1				
1	≤20,000	≤400	≤10	≤-100	≤0.01
2	≤400,000	≤6,000	≤100	≤-40	≤0.1
3	-	≤90,000	≤1,000	≤-4	≤1
4	-	-	≤10,000	≤37	≤5
5	-	-	≤100,000	≤45	>5
6	-	-	-	≤50	-

■ Measured in accordance with ISO 8573-4, ref. conditions 14.5 psi [a] absolute, 68 °F, 0% RH

■ Measured in accordance with ISO 8573-3

■ Measured in accordance with ISO 8573-2 and ISO 8573-5, ref. conditions 14.5 psi [a] absolute, 68 °F, 0% RH

	<b>CLEARPOINT®</b> dust filter RFX/RSX with manual drain with differential pressure indicator		<b>DRYPOINT® RA</b> refrigeration dryer with BEKOMAT®
	<b>CLEARPOINT®</b> coalescence filter CX/FX/SX with BEKOMAT® with differential pressure indicator or filter management		<b>DRYPOINT® MDp / MDi</b> membrane dryer with an integrated nanofilter and adjustable PDP (MDi only)
	<b>CLEARPOINT® A</b> activated carbon filter Option: oil check indicator		<b>DRYPOINT® MDe</b> membrane dryer
	<b>CLEARPOINT® V</b> activated carbon cartridge with oil check indicator		<b>DRYPOINT® X</b> desiccant dryer with inlet and dust filter
	<b>CLEARPOINT® V</b> activated carbon adsorber		<b>BEKOSPLIT®</b> emulsion splitting plant for larger flow systems
	<b>CLEARPOINT® W</b> water separator with BEKOMAT®		<b>BEKOKAT®</b> catalytic converter for oil and bacteria free air
	<b>ÖWAMAT® / QWIK-PURE®</b> oil-water separation system for dispersed and emulsified condensates		<b>BEKOMAT®</b> intelligent zero air loss condensate drains

Efficient use of resources

Social responsibility

Technology leader

Employee-oriented corporate culture

**BEKO Technologies, Corp.**

Strong and reliable partner

Independence

We set the standard. With our expertise, our experience, and our passion.

For more than three decades, **BEKO Technologies** has been developing, manufacturing and selling high-quality, high-capacity and high-efficiency components and engineered systems for optimal compressed air and gas quality. Today, we offer a complete range of products for all tasks related to compressed air and gas engineering, transportation, and processing.

#### Judge us by our service and support

For us, the best measure of all the things we do is the satisfaction of our customers. Your experience and requirements are the impulses that drive our innovations. Therefore, our constant readiness to enter into dialog and business partnership is very important to us. Our worldwide network of subsidiaries and experienced distributors ensure close and individualized customer support in all markets.

#### What counts for us is confidence

Reliability and honesty are the basis of a true partnership and requirements in achieving a shared vision. As an independent company, **BEKO Technologies** stands for freedom of decision, professionalism, and consistency. We are focused on the concerns of our customers and partners, and are completely committed to achieving success together.

#### Definitive quality products, cost effective, and innovative

Constantly evolving employment conditions and legal requirements create new and increased demands on compressed air and gas technology. **BEKO Technologies** transforms these requirements into successful and practical products and system solutions. Thanks to this expertise, we are recognized worldwide as a major innovator in our sector.



Products

**BEKO Technologies** develops, produces and distributes a broad spectrum of products for compressed air processing and condensate management.



Systems

Engineered products for special applications such as catalytic conversion systems, heat of compression drying, and advanced measurement technologies that expand and complete the wide range of products that **BEKO Technologies** has to offer.



Services

Besides offering high-quality products and solutions, we also offer comprehensive services, ranging from maintenance and measurements to training programs for your entire staff.

## Filtration and Separation with CLEARPOINT®

The CLEARPOINT® filter technology guarantees low operating costs, long service life, outstanding process reliability, and the safe filtration of aerosols, oil and particles. This comprehensive range of products covers a performance spectrum from 25 to 21,000 scfm and includes threaded and flanged filters, as well as high-pressure filters up to 7,250 psig.

With our innovative eco filter elements and flow optimized, corrosion protected housing construction, CLEARPOINT® offers safe and reliable filtration and qualitatively better compressed air at significantly reduced operating costs.

### Filtration done the energy-efficient way

#### CLEARPOINT® key features:

- › High-performance filtration; better compressed air quality and significantly reduced operating costs
- › Improved separation efficiency
- › High dirt and particulate absorption capacity
- › Super-low differential pressure
- › Performance optimized volume flow increase by up to 30%
- › Tested and validated in accordance with ISO 12500
- › Filters also available as water separators: CLEARPOINT® W



The eco series filter elements of the CLEARPOINT® offer significant energy savings at maximum filtration performance.



#### Activated carbon adsorbers

CLEARPOINT® V activated carbon adsorbers for top compressed air quality with a low residual oil content



CLEARPOINT®	Flow	Pressure
Performance Range	25 to 21,000 scfm	up to 7,250 psig

## Refrigerant Drying with DRYPOINT® RA and RA Eco Series

The operating costs - and not the investment costs - determine the cost efficiency of refrigeration dryers. Using DRYPOINT® RA these crucial operating costs can be reduced by half over a 5-year period. The non-cycling DRYPOINT® RA line is available in two different series to satisfy every level of required performance.

DRYPOINT® RAc Economy Series from 10 to 480 scfm  
 DRYPOINT® RAX Premium Series from 20 to 10,000 scfm

### Efficiency pays off

#### DRYPOINT® RA key features:

- › Includes the patented Vario Flow hot gas by-pass valve
- › Compact design with low internal vibration
- › High efficiency heat exchanger for inlet temperatures up to 160 °F
- › BEKOMAT® inside

The DRYPOINT® RA Eco series takes all of the best features from the standard RA series and combines them with innovative cycling and variable speed technology resulting in even greater operational cost savings.

DRYPOINT® RA CT with energy saving cold trap cycling technology  
 DRYPOINT® RA VSD with unique variable speed compressor and fan

### Maximum efficiency combined with cycling technology

#### DRYPOINT® RA Eco Series key features:

- › All new, ground-up controller design
- › Includes the patented Vario Flow hot gas by-pass valve
- › Oversized heat exchanger with flow optimized profile
- › BEKOMAT® inside
- › Maximum energy savings through advanced cycling and variable speed technology



DRYPOINT® RA	Flow	Pressure	DRYPOINT® RA CT	Flow	Pressure	DRYPOINT® RA VSD	Flow	Pressure
Performance Range	10 to 10,000 scfm	up to 232 psig	Performance Range	20 to 500 scfm	up to 232 psig	Performance Range	800 to 6,000 scfm	up to 200 psig

## Refrigerant Drying with DRYPOINT® RA HT and DRYPOINT® RS HP

DRYPOINT® RA HT high temperature refrigerant air dryers are specifically designed to handle the extreme demand of inlet compressed air temperatures up to 210 °F. This level of performance is only possible with the integrated after cooler and filter combination found within the DRYPOINT® RA HT series dryers.

### Minimal pressure drop, low operating costs

#### DRYPOINT® RA HT key features:

- › Significantly reduced operating costs
- › High operational reliability
- › Includes the patented Vario Flow hot gas by-pass valve
- › BEKOMAT® inside
- › Integrated after cooler complete with pre-filtration

With full counter flow heat exchangers of either copper tube-in-tube or stainless steel / copper brazed plate designs, the DRYPOINT® RS HP is capable of handling compressed air pressures up to 725 psig all while maintaining tight outlet pressure dew point tolerance.

### Refrigerant drying for high pressure systems

#### DRYPOINT® RS HP key features:

- › Additional stainless steel componentry
- › Very long service life
- › Advanced controller
- › High pressure rated BEKOMAT® inside
- › Easy handling and installation
- › Available in 17 different model sizes



DRYPOINT® RA HT	Flow	Pressure
Performance Range	20 to 350 scfm	up to 200 psig

DRYPOINT® RS HP	Flow	Pressure
Performance Range	15 to 3,500 scfm	up to 725 psig

## Heatless Desiccant Drying with DRYPOINT® XC and DRYPOINT® AC HP

DRYPOINT® XC desiccant dryers are specifically designed to minimize air loss. With this design, air loss and back pressure are reduced resulting in an operationally efficient dryer. When these features are combined with the self-adjusting demands times of the premium models the result is a dramatically quick economic payback period. The DRYPOINT® XC line is available in two series to suit every application.

DRYPOINT® XCe Economy Series from 80 to 800 scfm  
 DRYPOINT® XCp Premium Series from 80 to 2,800 scfm

Minimal pressure drop, maximum savings

**DRYPOINT® XC key features:**

- › Significantly reduced operating costs
- › High operational reliability
- › Electronic control offers operational flexibility
- › Designed with the user in mind - easy install and simple maintenance

The DRYPOINT® AC HP desiccant dryer reliably removes humidity from high-pressure compressed air. Every DRYPOINT® AC HP unit is individually adjusted to the application conditions and customer requirements and thereby achieves the utmost in performance efficiency.

**Drying under high pressure**

**DRYPOINT® AC HP key features:**

- › Full stainless steel construction
- › Leak free connections
- › Intelligent, expandable PLC controller
- › Trouble-free and easy to maintain
- › Freeze-free purge air
- › Sized and engineered specifically for your application



DRYPOINT® XC	Flow	Pressure
Performance Range	80 to 2,800 scfm	up to 150 psig

DRYPOINT® AC HP	Flow	Pressure
Performance Range	35 to 480 scfm	up to 7,250 psig



## Heated Desiccant Drying with DRYPOINT® XF and DRYPOINT® ACH

When a true system solution that delivers absolute maximum performance in all areas is required then DRYPOINT® XF is that solution. Heated, blower operated desiccant dryers are at the top of the range in terms of product longevity, reliability and total energy savings.

DRYPOINT® XFe economy heated blower purge series  
DRYPOINT® XFi ecoIntelligent heated blower auto-purge series

When maximum efficiency is your goal

### DRYPOINT® XF key features:

- › Auto-purge rate and user modes
- › Advanced ecoIntelligent PLC
- › Up to 90% energy savings compared with a conventional dryer
- › Available with or without tower insulation
- › Demand specific sizing and engineered to your exact specifications

Heated purge desiccant dryers provide the next level up in terms of energy savings when compared to heatless designs, and the DRYPOINT® ACH is no exception. The entire design from valves to controller were given careful consideration to not only save money, but to also improve operational reliability.

### Optimized heated drying systems

#### DRYPOINT® ACH key features:

- › Purge efficient design
- › Fully programmable PLC
- › Standard cycle failure alarm
- › Available with or without tower insulation
- › Demand specific sizing and engineered to your exact specifications



DRYPOINT® XF	Flow	Pressure
Performance Range	800 to 6,000 scfm	up to 150 psig

DRYPOINT® ACH	Flow	Pressure
Performance Range	70 to 4,050 scfm	up to 150 psig

## Membrane Drying with DRYPOINT® MDe, MDp, and MDi

The DRYPOINT® MD is a super compact membrane air dryer that dries compressed air or gas stream down to the required dew point while self-adjusting to the ambient conditions. Along with filtration, compressed air drying contributes significantly to the enhancement of process reliability. The DRYPOINT® MD range is available without filtration as with the standard series, with an integrated pre-filter in the DRYPOINT® MDp series, and in the super energy saving, user adjustable MDi configuration.

### The Perfect OEM Solution

The DRYPOINT® MD range is available in a variety of configurations from a membrane bundle without housing, to simple tubular designs, all the way through to custom housing shapes and materials. Being that the technology is 100% engineered and produced by BEKO Technologies means that we can handle your project through the entire project life cycle - from concept to prototyping, from benchmarking to serialized production, we have the optimal solution.

### A solution for every application

#### DRYPOINT® MD key features:

- › Reliable compressed air drying with low purge air demands
- › Zero electrical consumption and no desiccant
- › TWIST 45 technology for high efficiency drying
- › No change in the compressed air composition or temperature
- › No moving parts and no maintenance
- › Optimum filtration included directly upstream of DRYPOINT® MDp
- › DRYPOINT® MDi with ecoIntelligent controller



DRYPOINT® MD	Flow	Pressure
Performance Range	0.10 to 120 scfm	up to 180 psig

## Measurement Technology with METPOINT® Instrumentation

In the field of compressed air, specialized measurement technology provides the database used for the successful assessment and assurance of compressed air quality. Continuous monitoring of compressed air parameters offers process safety and the reliable identification of hidden expenses that are driving up costs unnecessarily. Possible overloading (i.e. excessive air velocities) or malfunctions can be detected quickly and reliably and this allows for the most economical optimization of plant components. Moreover, the exact consumption percentages at different stages of production is of great value in making fact-based business management decisions. The complete METPOINT® line of monitors, data loggers and sensors let you handle these tasks with ease:

### A synergistic effect

#### METPOINT® key features:

- › Highly accurate instruments designed for compressed air
- › Reliable measurements that are independent
- › Multi-function displays that are easy to use
- › Completely modular system that expands as needed
- › Maximum flexibility with stationary and portable devices
- › No adjustments necessary

METPOINT® Monitors	METPOINT® Sensors	
Data logging	Dew point	Leak detection
Touch screen display	Flow	Temperature
Multiple sensor connections	Pressure	Amperage



METPOINT® Sensors	Flow	Pressure
Performance Range	No Restriction	up to 725 psig

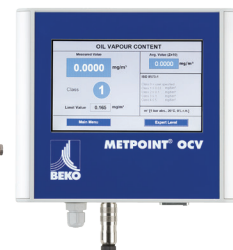
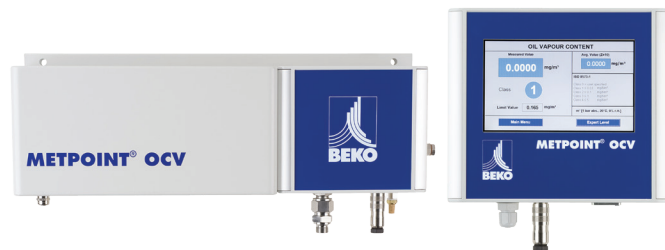
## Hydrocarbon Measurement Technology with METPOINT® OCV

At many points in the processing of compressed air, there is the risk of contamination with hydrocarbons, particularly oil. In oil flooded compressors, oil vapor enters the compressed air system as a result of the compression process. Further contamination can occur where oil and grease are employed as lubricants and sealing compounds. Even oil-free compressors are no guarantee for oil-free compressed air, since oil vapor already exists in the air that is drawn into the compressor at the intake. Wherever contaminants may enter a production process, then the company needs to be sure that accurate monitoring is in place to detect even the smallest trace of contamination. The METPOINT® OCV and OCV compact completely takes over the requirement to constantly monitor your compressed air and performs this task to an accuracy of 0.003 mg/m<sup>3</sup>. The system ensures that you have contamination-free processes and therefore contamination-free products.

### Two devices in one

#### METPOINT® key features:

- › Worldwide exclusive technology
- › Exceeds ISO 8573-1 Class 1 standards
- › Self-adjusting reference air sample
- › Simplified calibration process eliminates downtime
- › Network ready with data logging and remote access
- › Multi-function color touch screen display
- › Mobile monitoring system available



METPOINT® OCV	Flow	Pressure
Performance Range	No Restriction	up to 900 psig

## Oil-free Process Technology with BEKOKAT®

The main source for oil in compressed air is the compressor: some of the compressor oil from oil-lubricated machines always enters the compressed air stream. In order to prevent this, the installation of compressors with oil-free compression is often favored. This is a false sense of security! This compression method prevents additional lubricating oil from entering the compressed air, but, this is by no means a guarantee that the compressed air is free from oil. Hydrocarbons in the ambient air are the reason for this.

Hence, compressed air of the highest quality according to ISO 8573-1 can only be guaranteed with oil-free compression combined with supplementary processing. The BEKOKAT® offers an ideal system solution for this! In a single process step, the BEKOKAT® breaks down hydrocarbons inside the compressed air stream. The residual oil content significantly outperforms the requirements of Class 1 according to ISO 8573-1 - proven and certified!

### Trendsetting catalysis technology

#### BEKOKAT® key features:

- › Oil-free and sterile compressed air that is better than ISO 8573-1 Class 1 oil content standard
- › Independent of ambient temperature, air humidity and oil inlet concentration
- › Clean and environmentally friendly
- › Partial-load operation is possible
- › Minimal maintenance with long service intervals



BEKOKAT®	Flow	Pressure
Performance Range	35 to 705 scfm	up to 232 psig

## Condensate Drainage with BEKOMAT®

Generating compressed air always involves the formation of liquid condensate which, in most cases, contains oil. It is also contaminated with dirt particles which, if not removed, will disperse throughout an entire compressed air network. This is a very common problem and often results in elevated costs, damage and downtime. Using an electronically level-controlled BEKOMAT® the condensate in the compressed air system is drained automatically. The intelligent electronics prevent compressed air losses and minimize the energy input required. The return-of-investment installing a BEKOMAT solution is usually less than 6 months.

Process-safe, reliable and efficient

**BEKOMAT® key features:**

- › Unique sensor detects all kinds of condensate
- › High dirt resistance
- › Low maintenance
- › Fully automatic monitoring
- › Saves energy, costs and lowers CO<sub>2</sub> emissions
- › Extensive portfolio of custom equipment for special applications



BEKOMAT®	Flow	Pressure
Performance Range	1 to 50,000 scfm	up to 900 psig

## Condensate Processing with ÖWAMAT®, QWIK-PURE® and BEKOSPLIT®

Located directly at the source, oil-water separation is a more cost-effective solution for environmentally compatible condensate management than centralized treatment. The ÖWAMAT® and QWIK-PURE® oil-water separators do not generate any energy costs, boast enormous filter service lives and can be retrofitted without problems in older facilities.

### Sustainability with a savings potential

#### ÖWAMAT® and QWIK-PURE® key features:

- › Processed condensate can be directly introduced into the sewer system as treated wastewater
- › Easiest handling through cartridge technology
- › Type approval for compressor condensates
- › No permit required according to most local laws on water quality
- › No energy costs under normal conditions

BEKOSPLIT® emulsion splitting systems reliably and cost-effectively remove oils, water-insoluble organic impurities and solid contaminations from condensate. BEKOSPLIT® operates with low splitting-agent consumption, longer filter service life and offers electronic monitoring of the operating conditions.

### Environmentally friendly and cost-effective

#### BEKOSPLIT® key features:

- › Economical in consideration of purchase, operation, and maintenance
- › Reliable, environmentally friendly and easy to use
- › Type approval according to German standards
- › No permit required according to most local laws on water quality



ÖWAMAT®   QWIK-PURE®	Flow	Pressure	BEKOSPLIT®	Flow	Pressure
Performance Range	45 to 8,400 scfm	up to 580 psig	Performance Range	440 to 7,000 scfm	up to 360 psig

Reliable | Efficient | Innovative

What can we do for you?



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