

JUST FACTS

The FILCOM magazine for customers and partners



OUR NEW WEBSITE IS ONLINE

More informative, modern and of course responsive

EFFICIENCY PAYS OFF

The BAFA funding program

INNOVATIONS GO FURTHER

The new FG meidum pressure filter Pi 344

EDITORIAL

Dear Readers,

CORONA. A buzzword that has now become a permanent fixture in our lives. After 12 months of effort against the pandemic, it is still not won. The virus is changing our lives and with it many habits. Globalization is in a state of flux, and digitalization is advancing faster because of Corona. It is therefore all the more important to accept the situation together and do everything we can to defeat the pandemic with prudence.

Our most important goal is to protect the health of our employees and their families. To keep the company functioning at full capacity, home office is one way to aggressively contain the spread of the virus. Furthermore, our offices are equipped with indoor air filters from Filtration Group. The result, healthy and clean air, free of viruses, bacteria and aerosols at the workplace of our employees.

We should look boldly into the future and emerge stronger from the crisis through healthy investments combined with government support programs. Now is a good time to modernize one's own company and continue to drive forward the digitalization of key processes. Let's maintain valuable, personal and substantive contact more than ever.

I hope you enjoy reading the new issue of „JUST FACTS“.

Yours



Oliver Unrath

Geschäftsführer FILCOM GmbH



Oliver Unrath
Managing Director FILCOM GmbH

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OUR NEW WEBSITE

May we introduce?

The time has come: Our new website is online! More informative, more modern and of course clearly structured! Finally our new homepage sees the light of day. The relaunch of our internet presence is another milestone in the revision of our corporate design. After the successful introduction of our newly designed logos, we are pleased to present our web presence in a fresh design as well.

www.filcom.de

Under the familiar address, the new FILCOM website now presents itself thoroughly modernized and renewed. In addition to a modern design, the main focus was on adapting the content to the needs of our target groups. Whether you are a customer, partner or interested party, you will now be able to obtain an even more detailed overview of FILCOM GmbH's core competencies and range of services without having to spend a great deal of time searching. With the new brand structure on the website, FILCOM bundles its competences in the field of compressed air, filtration and technology.



Clear, concise, user-friendly

The FILCOM website in a new design. A clear structure simplifies navigation through the pages and shows our diverse competencies in the field of compressed air, filtration and technology. The core competences are already visible on the homepage. In our news section we will regularly keep you up to date with news about the company, products and events. With an English language change, our offer is now also available to a steadily growing international audience. We hope you enjoy discovering our new website. Of course, we welcome your feedback and are just as grateful for suggestions as we are for praise and criticism.

ANALYSIS & CONSULTING AT FILCOM

With a plan for certified compressed air

Whether plant optimization or customized new planning: At FILCOM, customers benefit from the consulting and analysis expertise of a well-positioned team for products from the largest compressed air system supplier for compressors and blowers - KAESER Kompressoren SE. With analysis methods in accordance with DIN EN ISO 11011 and an experienced and trained feel for the requirements of a wide range of industries, the FILCOM team offers its customers future-proof solutions, precisely in line with the required demand, which save money and are also good for the environment.

STEP 1

We understand your requirements

Your new compressed air station must be as individual as your requirements as an operator. That's why we listen and look very closely and ask the right questions. Our diverse industry knowledge helps us do this - whether you manufacture jewelry or semiconductors, operate a cement plant, a car factory or a brewery. Together with you, we record all the necessary production parameters and framework conditions. These include, for example:

- air quality
- existing components
- installation site



Inventory of the plant directly at customer's site

STEP 2

Analysis of compressed air utilization

The analysis is the core. Here, we use a wide variety of measurement technology that is demand-oriented, customer-specific and independent of manufacturers, depending only on the application. Sometimes the combination of different measuring systems makes the difference to success.



- flow measurement air
- power consumption
- temperatures
- ultrasonic measurements
- speed measurements

In most cases it is necessary to record several sensors simultaneously and evaluate them later. In this way, we determine weak points and uncover untapped potential, which we then present to you in a personal meeting.

ANALYSIS & CONSULTING AT FILCOM

STEP 3

The evaluation of the acquired data

For this purpose, we rely on state-of-the-art evaluation software to ensure high quality data. In order to obtain an economic solution that works close to the optimum under all conditions, several concepts have to be compared. The gradations between several compressors have to be considered as well as the whole downstream processing. The pressure losses up to the last consumer are significantly relevant.



STEP 4

The individual compressed air station

Based on our evaluation, the FILCOM team will map out a way for you to significantly increase the efficiency of your compressed air station and maintain it for the future. You will benefit in the long term through savings that can only be achieved through a system approach. Thanks to the use of state-of-the-art compressor management from KAESER Kompressoren SE, electricity and compressed air costs are transparent and your reliability is always in view thanks to browser access. The controller also actively sends an energy report when required.



STEP 5

Commissioning & Maintenance

After successful commissioning, we take over the maintenance of your systems and thus ensure a highly efficient compressed air station throughout its entire service life.

With our comprehensive stock of spare parts and rental machinery in combination with our emergency service, short response times are guaranteed.



EFFICIENCY PAYS OFF!

The BAFA subsidy program

Efficient compressed air not only saves on consumption, but is also subsidized by the German government! Benefit from the government subsidy by investing in a new energy-efficient KAESER compressor.

Invest in energy efficiency

Until the end of 2022, the German Federal Office of Economics and Export Control (BAFA) will continue to provide subsidies for the use of highly efficient cross-sectional technologies, including in the field of compressed air generation. In addition to the use of particularly economical compressors, this also applies to higher-level control systems, heat recovery and initial investments in ultrasonic measuring devices, as well as energy-related optimization of systems and processes.



Features of the subsidy

Eligible for funding are:

- **Companies**
Up to 250 employees + annual sales of up to 50 million euros or annual balance sheet of 43 million euros:
up to 40 % subsidy
From 250 employees: **up to 30 % subsid**
- New and replacement investments of a screw compressor
- Subordinate control and its installation
- Heat recovery and its installation



KAESER Kompressor SK 22 + SK 25
Bildmaterial: KAESER Kompressoren SE

BAFA funding procedure

1. Check if your project is eligible before investing.
2. Obtain a quotation
3. You can start implementing the measure immediately after the application is approved (receipt of confirmation of receipt) at your own financial risk. You no longer have to wait for the grant notification.
4. Ordering the plant.
5. After receipt of the grant notification, the operational installation of the plant takes 24 months.
6. The proof of use, including all required documents, must be submitted to BAFA no later than three months after the end of the grant period.

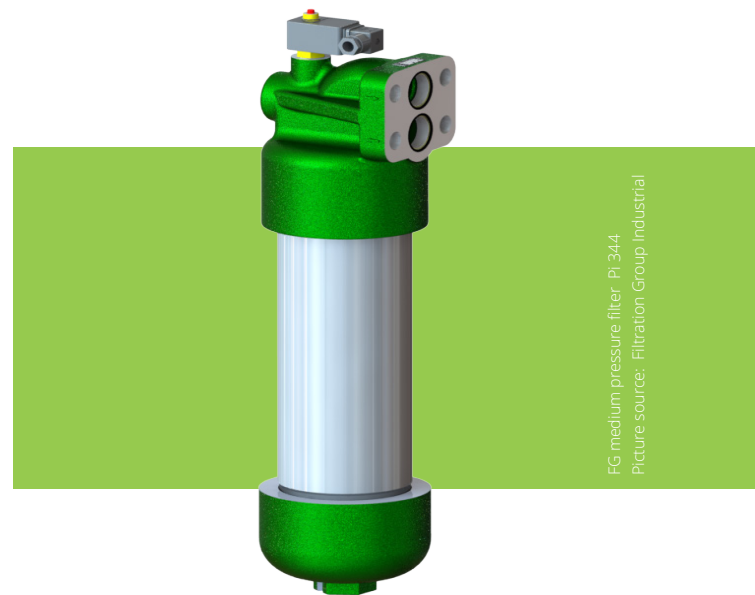
THE INNOVATIONS CONTINUE

Low wear at medium pressure and high performance

Mechanical systems keep the world moving. But things can only run smoothly if the moving parts are well lubricated - in nature as in technology. Here, it is lubricants and hydraulic oils that make mechanical processes possible over long periods of time. The further developed Pi 344 medium-pressure filter from Filtration Group Industrial protects liquids from contamination. The filter operates highly efficiently and its robust design makes it particularly suitable for ambient conditions in industry and wind turbines.

Functionality and problem solving

The FG medium pressure filter Pi 344 with its modular system and compact design is used for the filtration of hydraulic fluids. The flange filter ensures the required oil purity and protects the system components from wear. The Pi 344 counteracts many problems in production processes. The efficient filtration process means that machines no longer need to be serviced so frequently, as dirt particles are reliably filtered out of the oil. This also leads to less wear and damage in the plant components and to higher productivity of machines and plants.



FG medium pressure filter Pi 344
Picture source: Filtration Group Industrial

Advantages that are obvious

By using the new FG medium pressure filter Pi 344, the functionality of machines and plants is considerably increased and the maintenance effort is significantly reduced. The filter is equipped with highly efficient filter elements. Thanks to the modular filter design, the maintenance technician no longer has to unscrew the entire housing, but only the bottom. The efficient filtration process ensures a longer service life of the system components. The filter can be flanged directly to hydraulic power units, e.g. in wind turbines. The Pi 344 is also suitable for hydraulic systems with high volume flows and is used in steel mills, injection molding machines and paper mills.



ENJOYMENT THAT COMES FROM THE COLD

Production of freeze-dried products

Freeze-dried products are nutritious, delicious „lightweights“ and offer unadulterated fruit enjoyment. They hardly differ from fresh products in terms of nutritional value, taste and color. So freeze-dried fruits turn cereals or muesli bars into the perfect breakfast or tasty snack and provide a natural flavor kick.

How does freeze-drying work?

Freeze-drying works according to the principle of sublimation: After freezing, the water bound as ice is gently extracted from selected freshly harvested raw materials, while the cell structure of the original product remains intact. Under vacuum, water has the property of passing directly from the frozen to the gaseous state. The freeze-dried product thus loses a large part of its weight, but retains the typical properties such as taste, structure and nutrients.

Applications

- The FG dedusting system supplied prevents product deposits and thus contributes to the protection of employees. This significantly reduces the amount of cleanliness required by the machines.
- The filter material used achieved a very high separation efficiency in the fine dust range.
- Longer element service life due to the use of HI 26 filter aid
- Optimum flow conditions in the filter chamber due to the use of conical filter elements.



FG Quick-lock Element
Bildmaterial: Filtration Group Indsu

The challenge at the customer's site

The freeze-dried product is fed via a collection container on the 1st floor through a downpipe into a mixing drum on the ground floor. There the product is mixed and subsequently fed to the packaging via various conveyor belts. During transport on the conveyor belts, the freeze-dried products react with the ambient air to form a sticky substance. The sticky dusts produced by abrasion during transport and mixing are extracted by the FG dedusting unit SFR-09 006 DN-130 S1S S1 SO. By feeding filter aid, the dust becomes free-flowing again.

WE INTRODUCE!

BEKO TECHNOLOGIES - Our partner at FILCOM Technologies

BEKO TECHNOLOGIES stands for compressed air and compressed gas technology „at it's best“. The company develops, manufactures and sells high-quality, high-performance and particularly efficient components and systems for the treatment of compressed air, compressed gas and condensate technology. For over 20 years, FILCOM has been offering a comprehensive range and solutions from BEKO Technologies that make the required quality in customers' production processes safer and more energy-efficient.

Compressed air technology efficient, intelligent, reliable

Modern production technology needs compressed air. Depending on the application, the requirements range from dry and oil-free to absolutely sterile. BEKO TECHNOLOGIES offers the right treatment technology for every quality of compressed air. With an extensive product portfolio, BEKO TECHNOLOGIES perfectly matches the needs of customers in the market to create that extra bit of efficiency in combination! See for yourself in our online store!



Compressed Air Measurement

The quality of compressed air is mainly affected by contamination with particles (size and density), residual moisture (DTP) and residual oil (aerosols and hydrocarbons). These factors have a direct impact on the end products and thus on consumer safety. With the BEKO compressed air measurement product portfolio, customers have the tools for monitoring and evaluation as part of their quality and energy management.

Condensate technology

Condensate accumulates throughout the entire compressed air treatment chain and has a very significant influence on the quality and economy of compressed air. We offer products for safe and efficient condensate drainage as well as for environmentally friendly and professional condensate treatment.

BEKO KONDENSATTECHNIK
Picture source: Beko Technologies



WE INTRODUCE!

CONDOR - Our partner at FILCOM TECHNOLOGY

According to the motto Controls & Solutions, FILCOM offers you a variety of products from the portfolio of the CONDOR Group - from switchgear to system solutions - tailored to your needs. CONDOR Pressure Control GmbH has established itself as a long-standing partner of FILCOM in the field of compressed air technology & systems engineering at the highest level. With proven designed power pressure switches and control pressure switches, we jointly coordinate worldwide to meet the needs of our customers in the field of industry, wholesale and trade.

On the move in many industries & applications

Compressors

In the field of pressure regulators / pressure switches for compressors, Condor offers the complete full range and has long been the number 1 in Germany and Europe. The proven MDR series as well as the electronic pressure regulators stand for reliability and competence. For a coordinated cooperation of several compressors Condor offers standardized compressor controls, as well as customized special solutions.



CONDOR base load changeover GLW 4

Motor technology

The complete Condor motor circuit breaker program for use in all industrial sectors is made into a successful complete range by the versatile accessories.



Shipbuilding / Offshore

The GL pressure switches, with a pressure range up to 250 bar, are approved by Germanischer Lloyd, one of the largest ship register companies. All GL pressure switches can also be equipped with a reset function to ensure that maintenance work can be carried out.



CONDOR BASE LOAD CHANGEOVER
Picture source: CONDOR

Mining

As an approved ATEX manufacturing facility, Condor is able to produce a wide range of possible customer specific designs, e.g. with reset function, with impact resistant zinc or aluminum hood or with blue M20 cable gland.

Railroad technology

For applications in the field of railroad technology Condor offers special pressure switches in customized designs.

Condor also offers many years of experience in the areas of water technology / pumps / level monitoring, as well as fire protection and extinguishing systems. If you are interested, please contact us!



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