



Dear Reader,

this year we may celebrate our 50th anniversary. For us a year in which we can proudly look back on our achievements.

50 years are a long period and a company undergoes different stages of development in this time. We could collect many experiences, whereas we had to pay full attention to our activities: continuous changes on the market, development of society and economy, different demands of all eligible person, social responsibilities of a company. These are just few aspects we met and will continue to meet.

However, all challenges remain unsolved without engaged employees. Infastaub can count itself lucky to have these engaged and enthusiastic employees within the company. They are indispensably linked to our success.

What else determines the success of Infastaub? Technical competence, first-class service and best quality. The development of the company proves that this concept is successful. 50 years ago Infastaub started with one filter series. Today we have 15 different filter series and deliver them all around the world.

Now we face the future with confidence. We are well set up in order to continue growing and to intensively participate in the market.

Cordially

Berthold Geppert



## Infa-Inside

### Easy change of new filter cartridges



Life-cycle costs of durable industrial goods, to which cartridge filters also belong, are influenced by operating and follow-up costs. This also includes working time for installation and change of filter cartridges. But filter cartridges – as well as with every other filter unit – have to be changed in regular intervals. Compared to common fastening mechanisms, Infastaub has significantly simplified this system.

Because of a special fastening system, the operating personnel

can carry out the cartridge change without any tools. For this purpose, the front clamping rail only needs to be unfastened and the cartridges can directly and easily be removed.

The filter media change is carried out via the maintenance door on raw gas side, which is an advantage if height is limited. Even the basic dimensions of the filter unit remain the same with the new cartridges.

## Pocket filter with sintered membrane filter elements

Filter specialist InfaStaub extends its pocket filter series Infa-Jet AJN by a variant with sintered membrane filter elements. For special applications, these elements have advantages compared to common filter pockets, e. g. made of polyester needle felt. Central objective of the amendment was in particular to expand the field of applications for dry separating filter units.

The basic body of the sintered elements is made of a porous, rigid polyethylene tube. An ePTFE membrane is laminated on their surface. This membrane prevents

penetration of particles into the basic body. In addition, it has anti-adhesive properties. That is why the fiber-free filter media especially suit for applications with slightly humid, hygroscopic or viscous/sticky dusts, e. g. for the food and pharmaceutical industry.

On request the filter media can be delivered in an electrically conductive (antistatic) quality, so that usage for explosion-endangered application is also possible.

Further positive properties of these sintered filter elements are excel-

lent chemical resistance, low pressure loss as well as a higher air-to-cloth ratio. Very long service lives, even with abrasive dusts, reduce maintenance requirements and spare parts costs.

A great advantage of sintered filter elements is a very good regenerability. The classic surface filtration with product separation on the surface and cleaning by jet-pulse is possible as well as an additional wet cleaning of the installed or removed filter media. After that, the filter media have nearly their original permeability.



## Disposal of ammunition

Some projects are simply more exciting than others because of their theme. Disposal of useless or no longer required ammunition is certainly one of these projects. The ammunition is entirely destroyed in disposal facilities by blasting or thermal disposal. The flue gas, which is generated within the waste incinerator, contains harmful substances and toxic compounds. It needs to be treated in a way that all required emission values are met.

In his Swedish disposal plant, a leading supplier for ammunition destruction has improved the exhaust gas cleaning of a blasting furnace and rotary kiln by extension of the flue gas cleaning. Furthermore the old existing dust filter was replaced.

Infastaub has delivered two filter units for these demands. At first separation of soot and dust particles is carried out by a bag filter type Infa-Mini-Jet AJM in a special high temperature design for max. 180 °C. Filter media of the bag filter are made out of a Nomex nee-



dle felt. The also have a special acidproof finishing.

A further 3-chamber pocket filter type Infa-Jet AJN is downstream a dosing unit that inserts the additive (mixed powder out of calcium hydroxide and active carbon that binds acids and heavy metal ions by sorption). The pocket filter separates lime, soot and dust particles

before entering the subsequent combustion chamber. Because of the demanded increased pressure resistance, the filter housing is designed in a reinforced version.

Both filter units are designed to achieve a residual dust content  $< 10 \text{ mg/m}^3$ .

## The job of an Infastaub service engineer - WE ARE LOOKING FOR YOU!

Service engineers have a great variety of tasks. This includes maintenance and commissioning of filter plants, trainings for factory workers, necessary repairing of filter units and measurements in order to meet the regulatory obligations.

Especially the regular maintenance

of a filter unit is important. Only then a trouble-free and efficient operating of the filter unit and the related production process is ensured.

During maintenance, all functions of the filter plant are inspected. The optic control of filter media is also an essential part of our

maintenance. Clogged filter media prevent a trouble-free operating of the filter media. If necessary, we change the filter media during maintenance assignment or recommend further measurements to the operator. This means, our service engineers contribute with their work to trouble-free operating of the client's filter units.

A vacancy is available at the moment in our service department. Requirement for the job is a completed training as mechatronic engineer, electrician, control engineer, ventilating technician or a comparable training.

A demonstrative video about the job of an Infastaub service engineer is published on our YouTube channel: [www.youtube.com/user/InfastaubEntstaubung](http://www.youtube.com/user/InfastaubEntstaubung)





## Achema 2018

1920, the first Achema took place in Hannover. Since 1937 this international trade fair for chemical technology and process industry is based in Frankfurt on the Main, Germany.

In view of the increasing number of exhibitors, the organizer of Achema counts on a large amount of visitors for 2018. 167,000 participants, who visited the last event in Frankfurt, need to be beaten.

Infastaub has reserved its stand and decided on the design. As at last Achema in 2015, you will find us in hall 6.0, stand B49.

And in order to have some fun on the agenda besides the fair visit, we again bring along a tabletop football. Subsequent to the fair, we will donate the tabletop football to a social facility near to our headquarter in Bad Homburg.



## What is actually doing ...?

### Bernhardt Becker Sales office Bavaria and Austria



Since 2014, the sales areas Bavaria and Austria are covered by Bernhardt Becker. The 42-year-old spends his spare time with soccer and fishing, and this preferably with his family.

#### What induced you to choose a technical profession?

As a child I already wanted to know how things work and also liked to screw. So I knew very early that I wanted to study mechanical engineering.

#### How did you come to Infastaub?

After my study I have started in

the project engineering and order processing at FLSmidth Pfister. Afterwards I was employed in the research and development department of another company. Three years later this work was to annoying and I looked around for a new job. I found the job advertisement of Infastaub by chance. Since I new my predecessor from work at FLSmidth Pfister, he could confirm that he planned to retire and Infastaub looked for a successor. It was a lucky chance.

#### What do you like most in your sales job?

I appreciate very much the freedom of choice my job offers. We work very independently as fieldstaff and determine ourselves which dedusting solution is the best for the project. My technical knowledge from my studies and former jobs.

#### And what do you like most about daily work?

Sales work is very diverse in nature. I see myself as link between company and client. Since I keep my ear to the ground and my eyes open, I can contribute to product optimization and innovations.

#### And your life besides Infastaub?

I like to do sports. Since I am an early morning bird, it might happen that I go to the fitness centre or for a jog before work. Fishing is very relaxing for me and as voluntary soccer trainer I can clear my mind on the soccer field together with my two boys.

#### Three words that describe you?

Consistent, purposeful, family man.

#### If you could make a wish:

Staying healthy into old age.