

Applications

SPRAYERS

Our expertise for your success

Custom Solutions by ARGO-HYTOS

The Challenge

The demands posed on modern sprayers regarding performance, operating speed, spraying distance, precise dosage and positional accuracy keep increasing. For the development and design of valves, manifolds and filtration systems this means that ever new combinations must be found and new functionalities must be included. Decades of experience, a thorough understanding of the application and a very close collaboration with OEMs allow us to come up with solutions that are specifically tailored to meet the given requirements.



Your Custom Solution

ARGO-HYTOS offers a wide range of highly compatible filtration, valve and sensor products for your application. We adapt and modify components or individual function elements in such a way that the function in your machine is realized according to your wishes. We combine valve, filter and sensor technology to create subsystems and compact function units, which help you reduce assembly and piping costs. We are able to quickly and flexibly react to specific customer and market demands thanks to our considerable manufacturing expertise and level of in-house production.

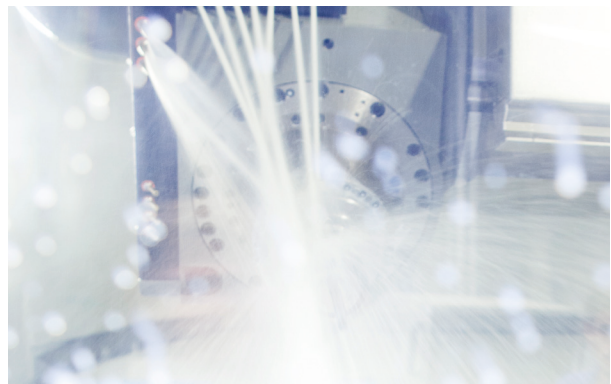


Our Expertise

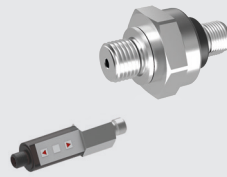
ARGO-HYTOS has been working with the leading sprayer manufacturers for decades. We closely collaborate with our customers to develop components, clever subsystems and innovative system solutions, combining sensor, filtration and valve technology. Some examples are:

- › Proportional level control, suspension of the entire vehicle
- › Prop. all-wheel suspension with level control
- › Axle track width adjustment
- › Boom folding
- › Prop. steering and drawbar control
- › Boom height and level control
- › Filter systems – breathers, suction, pressure, return and return-suction filters
- › Safety filters and suction screens

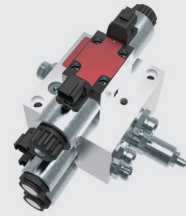
In addition to pressure, temperature and flow sensors, sensors for oil condition monitoring have become more important in recent years. Machine uptime is increased further. The collection, transfer and analysis of data present a significant added value for manufacturers and operators in terms of predictive maintenance.



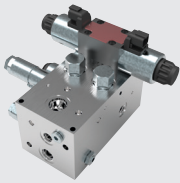
WORKING HYDRAULICS



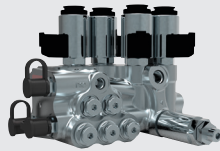
1 Pressure sensors



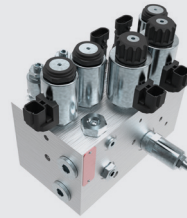
2 Steering



3 Level control boom

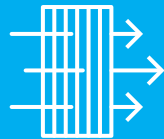


4 Cylinder functions boom



5 Auxiliary functions

FILTRATION



1 Suction filters



2 High-pressure safety filters



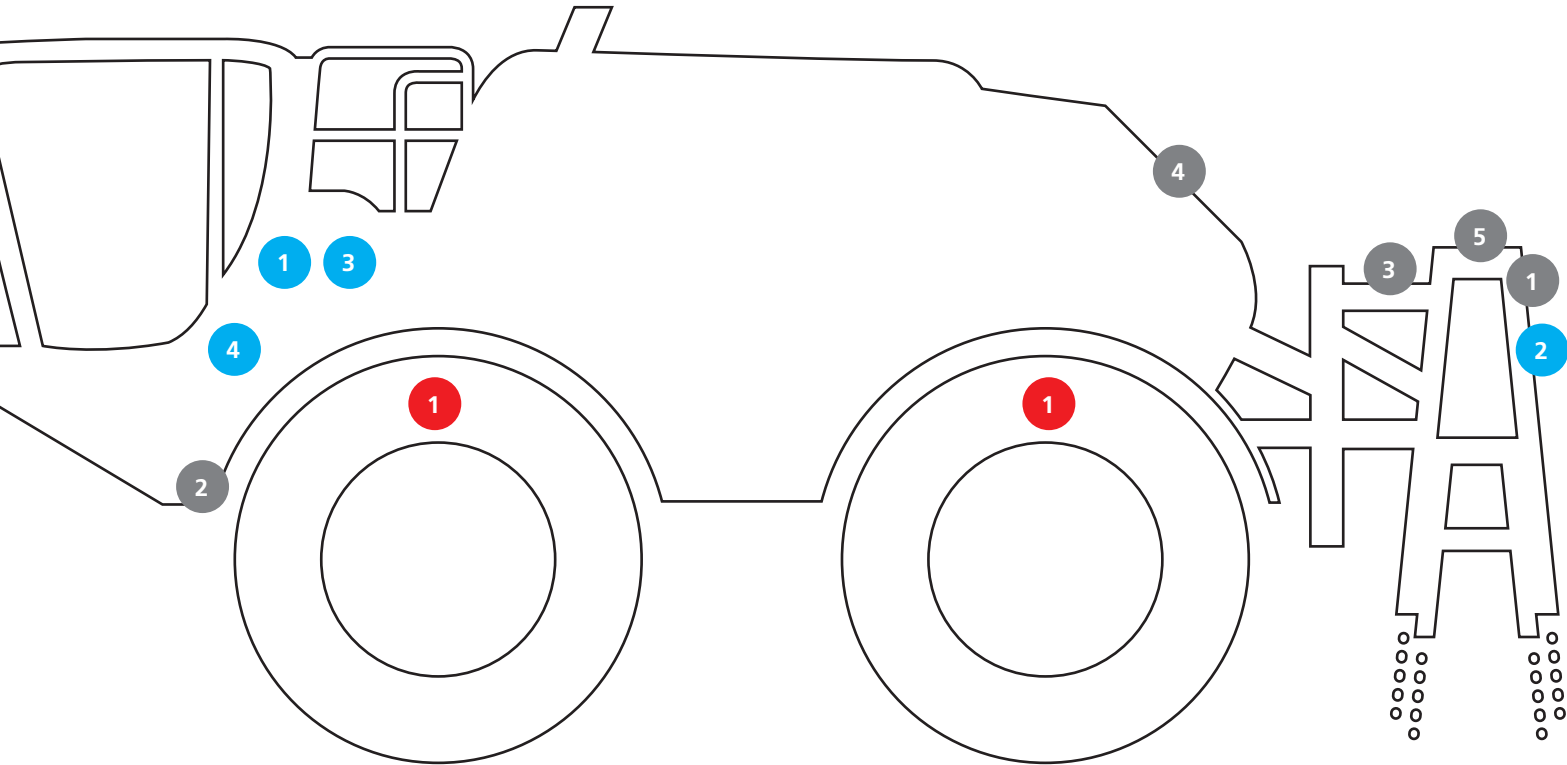
3 Return-suction filters



4 Ventilating Filters

ARGO-HYTOS: Your project – our passion – succeeding together

- › You want to redesign, modernize or adapt your machine to a regional market – we have the system knowledge, the components and the project planning competence to help you realize it.
 - › You determine and define functionality – we provide possible solutions
 - › We combine local and central value-added shares in order to meet the highest requirements with regard to function safety, reliability and cost effectiveness.
- › Our Applications Team, together with a given local entity and the development manager of the customer, supports projects from initial inquiry up to the start of series production. We maintain and observe highest internal standards in the processing of international projects in global core markets thanks to competent local contact persons and applications experts in our applications center.



- Working hydraulics
- Filtration
- Suspension Systems

SUSPENSION SYSTEMS

MHPS

Modular
Hydro-Pneumatic
Suspension



Pressure sensor



Position sensor



Accumulator

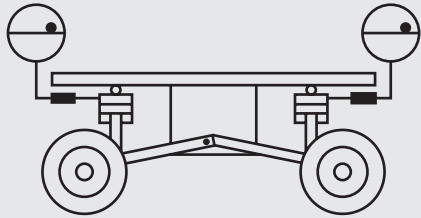


Control unit (ECU)



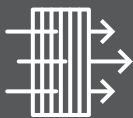
Hydraulic modules

1 All-wheel suspension

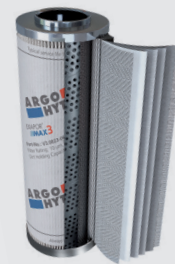


- › Reduced vibration
- › Automatic adaptation of damping to the given ground conditions
- › Complete system consisting of manifolds and electronics, incl. software
- › Comprehensive support – from design stage to commissioning
- › Modular and extendable

FILTER ELEMENTS



Replacement filter element EXAPOR®MAX 3



Multilayer structure EXAPOR®MAX 3

Filter INFO

Replacement filter elements by ARGO-HYTOS

- › Lowest pressure loss
- › Excellent dirt holding capacity for long maintenance intervals
- › Avoidance of damage and downtime
- › Reduced maintenance and total cost of ownership (TCO)
- › Optimum protection of your machine's valuable components

The current generation of EXAPOR®MAX 3 elements guarantees maximum filter performance. By using filter layers with a gradient structure, we ensure a very low pressure drop in combination with a high dirt holding capacity. The layers are supported and protected by a patented hybrid fabric, which guarantees optimum in- and outflow. The protective cover is used for identification as an original spare part. It is flexible and can be individually printed, which significantly increases the recognition value. Of course, ARGO-HYTOS also offers solutions for upgrading housings from other manufacturers with EXAPOR®MAX 3 technology.

Consulting, development, production and maintenance – all under one roof

Commitment – We're here for you!

As an owner-managed, medium-sized family company with over 1000 employees worldwide, ARGO-HYTOS has been serving its customers for over 75 years. With production companies in Germany, the Czech Republic, Poland, China and India as well as numerous own distribution and assembly companies, we are able to offer our customers local support, providing them with reliable contacts.

We are the right partner for your project! Our development and manufacturing expertise allows us to accompany a product throughout the process of its creation. From the conceptual phase to the individualized system solution, we work closely with our customers every step of the way.

For decades, ARGO-HYTOS has developed a relationship with its customers based on trust and continually strives to surpass their needs and expectations, validating the trust placed in us through quality and reliability.

Innovation, competence, quality

We possess extensive development know-how based on the latest manufacturing technologies. We provide all products and process chains under one roof and support our customers in component integration, the development of new and innovative solutions as well as in the optimization of existing systems.

Global presence – Customer satisfaction always and everywhere

ARGO-HYTOS is globally represented with numerous own sales companies. In addition, we collaborate with a network of skilled sales and service partners in all important core markets, ensuring proximity to the customer and a local presence. Our global network of specialists means that you always have a reliable partner at your side. This allows us to provide our customers with the best possible support – from the concept phase up to after-sales service!

International

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You can find further sales partners worldwide online at www.argo-hytos.com

Sprayers