

Applications

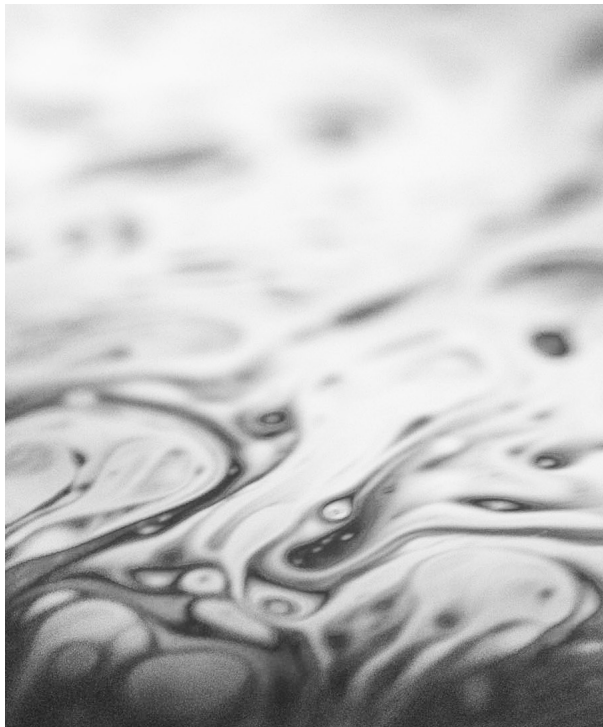
# COMPACTION MACHINERY

Our expertise for your success

# Custom Solutions by ARGO-HYTOS

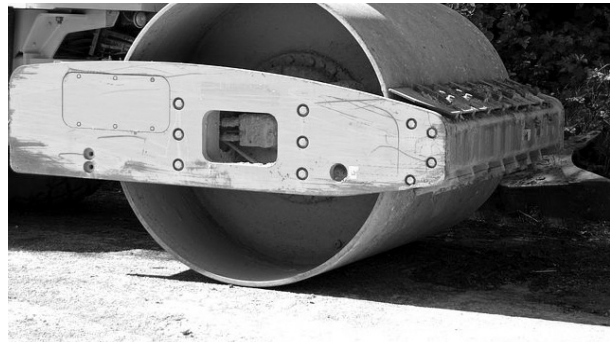
## The Challenge

The demands posed on modern compaction machinery regarding performance, uptime, ease of use and comfort 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. Varying applications in different regions call for customized products.



## 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 compaction machinery manufacturers for decades. We closely collaborate with our customers to develop components, clever subsystems and innovative system solutions, combining sensor, filtration and valve technology.

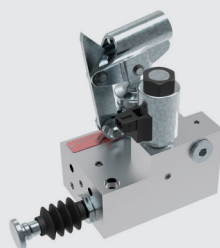
Some examples are:

- › Brake release device
- › Flow control for travel and vibration drive
- › Modular manifolds for gear and brake shifting
- › Flow control for attachments
- › Proportional steering
- › Edge cutting device control
- › Complete control systems for trench rollers
- › Filter systems – breathers, suction, pressure, return & return-suction filters
- › Safety filters and suction screens

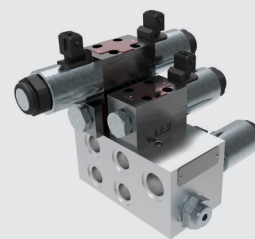
In addition to pressure, temperature and flow sensors, sensors for oil condition monitoring have become more important in recent years. Machine uptime is increased further. The collection, transfer and analysis of data present a significant added value for manufacturers and operators in terms of predictive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



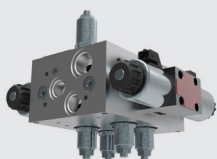
# WORKING HYDRAULICS



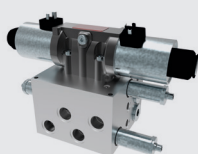
1 Brake release device



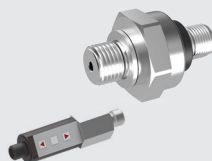
2 Grit spreader



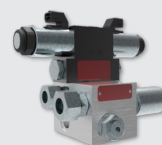
3 Steering



4 Control system  
vibration motor

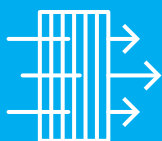


5 Pressure sensors



6 Edge cutting device

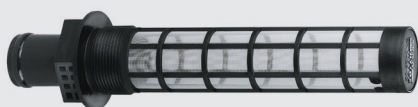
# FILTRATION



1 Pressure filters



2 Return-suction filters



3 Suction filters



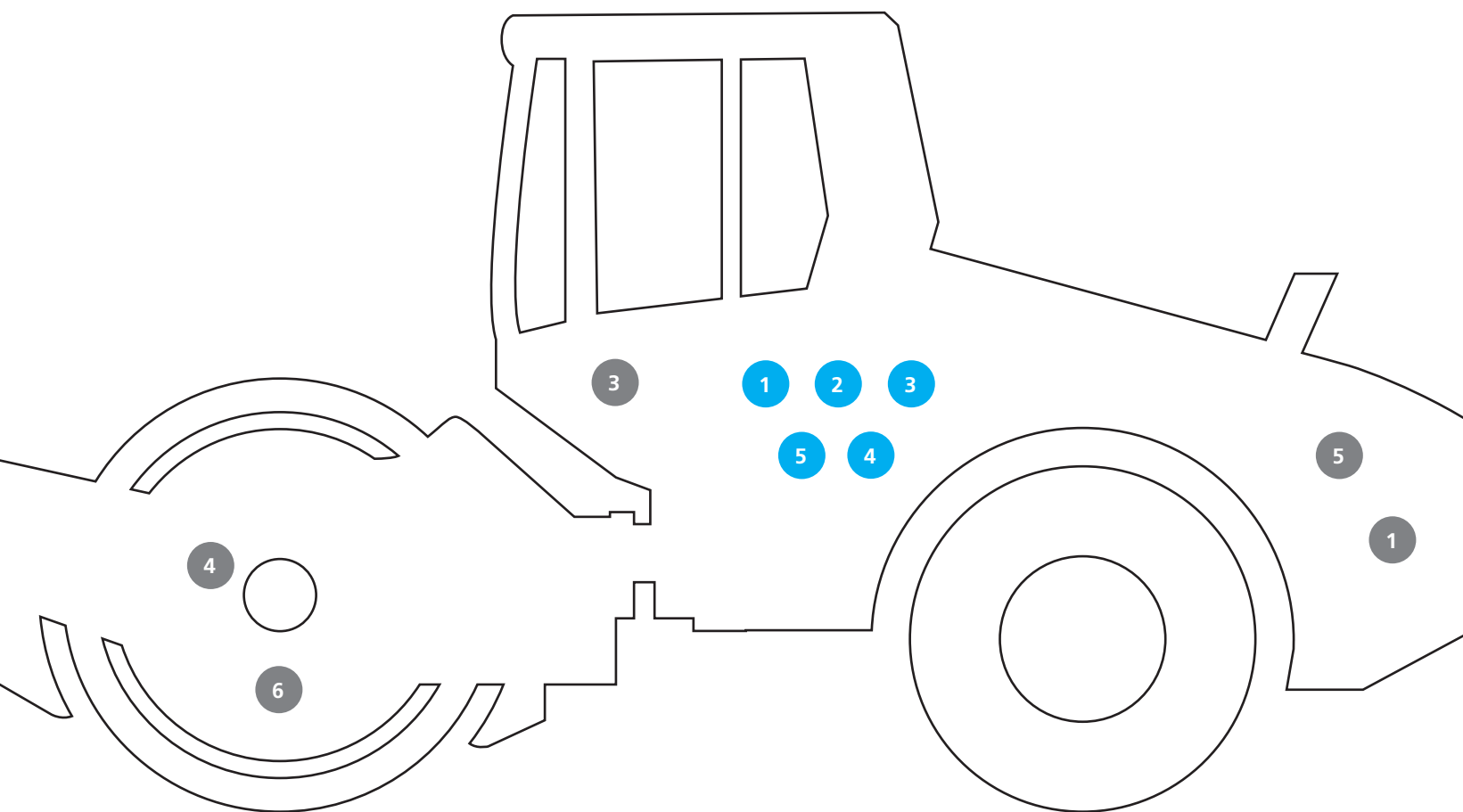
4 High-pressure filters



5 Breathers

# 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

## CONDITION MONITORING



OPCom II  
Oil particle monitor

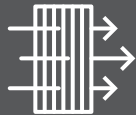


FerroS Wear sensor

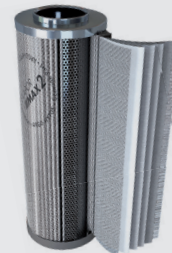


LubCos H2Oplus II  
Oil condition sensor

## HIGH END FILTER ELEMENTS



Replacement element  
in EXAPOR®MAX 2 quality



Filter element for  
EXAPOR®MAX 2 or EXAPOR®MAX Fit

### Filter INFO

#### Replacement element in EXAPOR®MAX 2 quality

- › best service life in class
- › excellent component protection
- › proven reliability
- › optimizes your life-cycle costs
- › our alternative for you is the **EXAPOR®MAX Fit**

The EXAPOR®MAX 2 Filter Element Generation is designed for highest performance. The unique 3 layer fine filter media offers a very low pressure drop in combination with a high dirt holding capacity. These fine filter layers are supported and protected by a patented hybrid mesh screen which guarantees a unique flow fatigue stability. The polyester shrink sleeve protects the filter element from damages and is printed with the ARGO-HYTOS EXAPOR®MAX 2 label for identification as a genuine spare part. Improved copy protection is achieved by customized labels. The same quality features are incorporated in the EXAPOR®MAX Fit series to upgrade housings of other manufacturers with the ARGO-HYTOS 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 1600 employees worldwide, ARGO-HYTOS has been serving its customers for 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

## ARGO-HYTOS worldwide

<b>Benelux</b>	ARGO-HYTOS B.V.	info.benelux@argo-hytos.com
<b>Brazil</b>	ARGO-HYTOS Fluid Power Systems Ltda.	info.br@argo-hytos.com
<b>China</b>	ARGO-HYTOS Fluid Power Systems	info.cn@argo-hytos.com
<b>Czech Republic</b>	ARGO-HYTOS s.r.o	info.cz@argo-hytos.com
	ARGO-HYTOS Protech s.r.o	info.protech@argo-hytos.com
<b>France</b>	ARGO-HYTOS SAS	info.fr@argo-hytos.com
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You can find further sales partners worldwide on the Internet at [www.argo-hytos.com](http://www.argo-hytos.com)

**Competence in fluid technology**