



## Your project - Together we succeed

### Return-Suction Filter RST-308

#### INITIAL SITUATION

For a new generation of self-propelled harvesters, the filter system was to be adapted due to increasing machine performance and optimized with a view to efficiency and improved machine availability while at the same time reducing service costs.

In addition, the filter change was to be made significantly more service-friendly and without loss of oil.

Based on positive application experience with ARGO-HYTOS return-suction filter concepts from other machine series, our customer's objective was clear.

The previous filter system, consisting of two line filters for the open working circuit and the feed circuit of the closed drive, was to be replaced by a return-suction filter in tank installation, suitable for return flow rates of up to 350 l/min and also featuring a high dirt holding capacity to allow a filter change interval of at least 1000 operating hours.

#### SOLUTION

ARGO-HYTOS has developed a return-suction filter tailored to the requirements of a new generation of harvesters.

- Tank-mounted filter
- Nominal volume flow up to 350 l/min
- Latest EXAPOR<sup>®</sup>MAX 3 filter element generation; filter finenesses 10 µm(c) or 16 µm(c)
- High dirt holding capacity
- Numerous connection options with up to 3 return and 3 suction connections
- Suction volumes are 100% filtered and preloaded with 0.5 bar

#### CUSTOMER BENEFITS

- Optimum cold start behavior and protection of the hydrostatic drives
- Reduced operating costs and maximized machine availability thanks to extended filter change intervals

- Service-friendly and clean filter element change without loss of oil, as only one filter needs to be serviced and the filtered dirt is removed without leaving any residue when the filter element is simply taken out
- Energy saving thanks to a filter system optimized for minimum pressure loss



### POSSIBLE APPLICATIONS



### Curious?

Do you have a similar challenge for us?  
Get in touch with our experts.



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