

AirEX Separation



Air in the hydraulic system? Reduced system efficiency and increased downtime? AirEX return filters from ARGO-HYTOS reliably remove unwanted air from your hydraulic system - and save installation space!

The compressibility of air in the hydraulic medium impairs the operating comfort of working machines and leads to damage, associated downtimes as well as efficiency losses and high repair costs. Oil aging is also accelerated. The AirEX solution from ARGO-HYTOS provides reliable air separation - up to 70% faster.

Tank reduction up to 50% - installation space is a limited resource!

Manufacturers of mobile machinery are striving to reduce exhaust emissions. The installation of additional components becomes necessary and competes with the hydraulic system for installation space. Reducing the size of the often generously dimensioned hydraulic tank would have a negative effect on air outgassing. ARGO-HYTOS provides a remedy with the innovative AirEX return filters and enables a tank reduction of up to 50%.

Up to 50%
tank
reduction

Up to 70%
faster air
separation

For more information, see our AirEX video



Two variants for your application

In order to optimally meet your requirements and find the best possible solution for you, ARGO-HYTOS offers two designs of AirEX filters:

BE (Bottom Entry) Variant

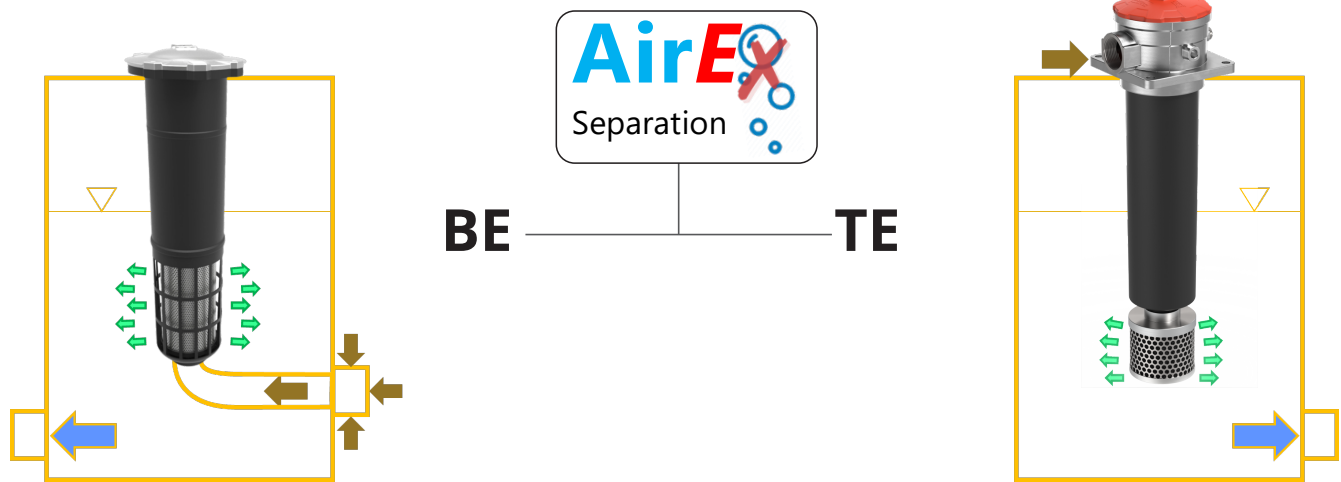
- Inlet at the bottom of the filter bowl -

Particularly suitable for machines with a high-positioned or walk-on hydraulic tank.

TE (Top Entry) Variant

- Inlet at the top of the filter head -

Can be retrofitted to all tank-mounted ("tank top") ARGO-HYTOS return filters if required and is therefore very popular.



Your benefits		Increased efficiency Fast air separation reduces damage, downtime and efficiency losses and improves performance by increasing machine availability.		Optimized use of resources Extended oil change and maintenance intervals reduce operating costs and conserve materials. The ecological footprint improves due to lower oil quantities.
		Reduced costs Downsizing the tank volume reduces the oil content, the required installation space and the weight - and thus lowers costs.		Increased user-friendliness A quiet, homogeneous and low-vibration operation enables a fatigue-free, positive operating experience.

From the initial idea to series production

ARGO-HYTOS offers you a development partnership with individual service. This results in the most efficient solution for your system.

Tests in the laboratory and on site are part of our service and allow parallel validation during the solution finding process. This ensures a risk-free introduction of the system update.

- > Careful analysis at the start of the project with regard to the installation space and the integration of the tank/filter system into the machine
- > Engineering in the project implementation phase with simulation as well as test bench and field tests
- > Series introduction through to reliable supply and service - worldwide

Benefit from the know-how and innovative solutions of ARGO-HYTOS to improve your products!

Find your local contact here

