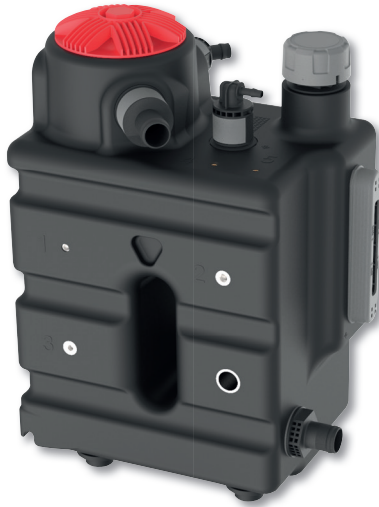




HIT - Hybrid Integrated Tank®

Ready for installation
Integrated functions
Easy assembly
Cost saving

Smart and innovative: Hybrid Tank



Description

The "hybrid tank" intelligently combines the two manufacturing technologies of rotational molding and injection molding. The unique combination of innovative production processes with a modular kit makes the "hybrid tank" economically interesting even for small quantities.

Function

The hybrid tank is a ready-to-install complete module. All required tank functions are already integrated. Since the filter housing is part of the tank, there are no sealing points and therefore no risk of leakage. The tank geometry can be adapted as required to the installation situation. Numerous components such as filter cover, "Quick-Connect fitting", etc. come from an existing modular system and do not cause any tool costs to the customer. 100% replacement filter element business is ensured by a special copy protection. The high thermal strength of the Polyamide material used allows the tank to be used even at higher operating temperatures. Quick-Connect fittings allow fault-free and tool-free hose mounting on the tank and can also be dismantled at any time.

Technical data

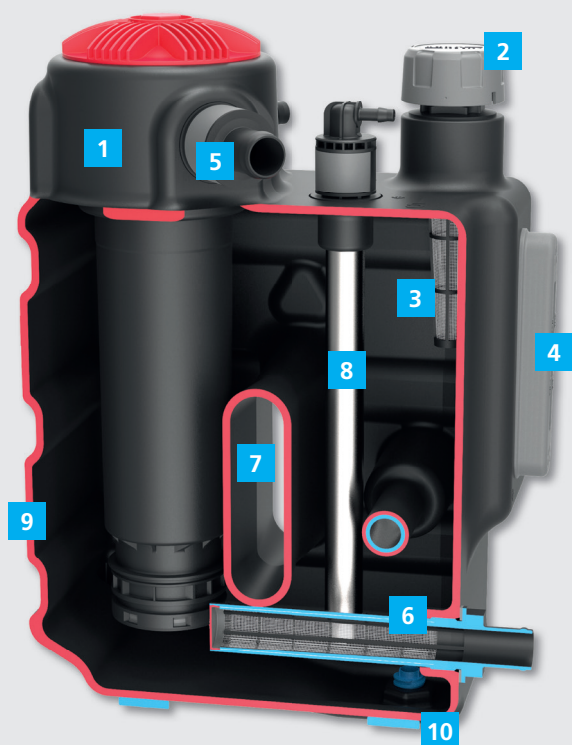
Tank volume	V_{\max}	Up to 150 l
Temperature	T_{\max}	-30 °C ... +100 °C Short-term up to +120 °C
Fluids		Mineral oil and environmentally friendly hydraulic fluids (HEES and HETG, see info sheet 00.20-EN)

Integrated filter functions

- › Return filter 10 ... 30 µm
- › Return-suction filter 10 ... 16 µm
- › Suction strainer 140 ... 280 µm
- › Ventilating filter 2 µm
- › Filling filter 140 ... 450 µm

Application examples





Function integration

- 1 Filter housing is integrated in the tank
- 2 Ventilating filter
- 3 Filling filter
- 4 Integrated oil level indicator
- 5 Quick-Connect fittings (see figure below)
- 6 Suction strainer
- 7 Baffle wall (in the shape of a channel)
- 8 Internal suction or return pipes
- 9 Sensor connections can be integrated
- 10 Oil drain plug



"Quick-Connect" system technology



Examples

Advantages of the ARGO-HYTOS hybrid tank

- › Installation of a complete module in the machine
- › Complex geometries can be realized
- › Weight reduction
- › High mechanical strength and thermal stability by using Polyamide
- › There is no risk of leakage between the filter head and the tank
- › Excellent corrosion resistance
- › Multiple ports save hose collection manifold
- › Tool-free assembly of Quick-Connect fittings
- › Cost savings compared to traditional tank solutions
- › Copy-protected filter elements
- › Tank development "Made in Germany"

International		
ARGO-HYTOS worldwide		
Benelux	ARGO-HYTOS B. V.	info.benelux@argo-hytos.com
Brazil	ARGO-HYTOS AT Fluid Systems Ltda.	info.br@argo-hytos.com
China	ARGO-HYTOS Fluid Power Systems (Yangzhou) Co., Ltd.	info.cn@argo-hytos.com
	ARGO-HYTOS Fluid Power Systems (Beijing) Co., Ltd.	info.cn@argo-hytos.com
	ARGO-HYTOS Hong Kong Ltd.	info.hk@argo-hytos.com
		info.cz@argo-hytos.com
Czech Republic	ARGO-HYTOS s.r.o	info.protech@argo-hytos.com
	ARGO-HYTOS Protech s.r.o	info.fr@argo-hytos.com
France	ARGO-HYTOS SARL	info.de@argo-hytos.com
Germany	ARGO-HYTOS GMBH	info.uk@argo-hytos.com
Great Britain	ARGO-HYTOS Ltd.	info.in@argo-hytos.com
India	ARGO-HYTOS PVT. LTD.	info.it@argo-hytos.com
Italy	ARGO-HYTOS srl	info.pl@argo-hytos.com
Poland	ARGO-HYTOS Polska sp. z o.o.	info.ru@argo-hytos.com
Russia	ARGO-HYTOS LLC	info.se@argo-hytos.com
Scandinavia	ARGO-HYTOS Nordic AB	info.tr@argo-hytos.com
Turkey	ARGO-HYTOS	info.us@argo-hytos.com
USA	ARGO-HYTOS Inc.	

