

RFB Compact

The Small One with Great Effect

HYDAC TANK OPTIMISATION

Modern, hydraulic systems with higher performance levels as well as increasingly smaller and more complex hydraulic tanks lead to a strongly decreased air separation in the tank and therefore to an increased amount of free air in the hydraulic fluid. Possible consequences of air in oil such as efficiency losses of the pump, cavitation and the effect of micro dieseling, noise emission, accelerated oil ageing, increase in temperature, changing of oil features and control problems of the machine, often result in lower reliability and productivity of the machine.

In order to counteract this issue, HYDAC offers sustainable filtration concepts (e. g. RFB: Return Line Filter Bottom), massively improving the entire systems' ability to separate air. So, the consequences of air in oil cannot just be significantly reduced, also the use of smaller hydraulic tanks at same operating conditions is possible. Next to our customers especially the environment benefits from the saved amount of oil and material.

RFB Compact




As extension of the established RFB line the RFB Compact was developed, in order to offer this sophisticated filter solution even to applications with a **flow volume between 100 – 210 l/min**. The concept is very much appropriate to be installed in plastic tank systems and is characterised by a safe, tough and cost-optimised integration.



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Variants and Features

| RFB 0100 | RFB 0155 | RFB 0210 |
|--|---|--|
|  |  |  |
| up to 100 l/min | up to 155 l/min | up to 210 l/min |
| <ul style="list-style-type: none"> • Flow from bottom • Flow direction from in-to-out • Bypass valve on cover and element (divided) • With Quality Protection • With Anti-Drain-Valve • Nominal pressure: 10 bar | <ul style="list-style-type: none"> • Approved temperature range: -30 °C to +100 °C • Bypass opening pressure: 2,5 bar • Pressure resistance of element: 6 bar • Material: PA6.6 with glass reinforcement • Sealing: Perbunan NBR | |

YOUR BENEFITS AT A GLANCE:

- ✓ **Extended oil service life**
by means of active degassing thanks to in-to-out filtration and corresponding housing geometry
- ✓ **Significantly lower maintenance costs**
thanks to smaller tank size and lower oil volume
- ✓ **Guaranteed first-class HYDAC quality**
thanks to Quality Protection
- ✓ **High reliability**
as the sealing is replaced with each element change
- ✓ **Energy-efficient solution**
thanks to lower Δp through innovative Helios® pleat geometry as option