BOLLFILTER Automatic Type 6.64

The Compact Design Multichamber Filter
THE TASK
Uninterrupted Filtration without Pressure Loss

hen it comes to guaranteeing long-term trouble-free operation of internal combustion engines or processing plants, consistent operating conditions are an important factor in both cases. By protecting moving parts against wear and tear you maximize their service life. At the same time it is also important to keep wastage of operational fluids to an absolute minimum. Two aspects that play a key role here are the cleanliness of the liquid fuels, lubricants or coolants used and maintenance of a constant operating pressure. Automatic high performance filters are used in industry today to guarantee both these factors. Key requirements that such filters have to meet are:

- Adequate filtering capacity
- Guarantee of purity for the filtrate
- Guaranteed integrity of system pressure
- Unsupervised 24/7 operation
- Minimum waste maximum efficiency
- Minimal maintenance and low running costs

The BOLL Automatic Filter TYPE 6.64 can be used for a wide range of purposes, e.g. for filtering diesel engine lubricants,

... for filtering fuels or

... for filtering coolants in tooling machines
In filtration mode, the fluid to be filtered enters the lower connection of the filter housing, then flows into the individual filter chambers. From here, the used filter elements are transferred into the backflushing chamber, pressure opposing from the side of the suspended cylindrical filter elements. Through this means, all contaminants larger than the specified filter media are removed. At the same time, the clean liquid is recirculated through the central selector mechanism. After the backflushing chamber is isolated from the unit, the element is instantly prepared for clean liquid and waste through the central selector mechanism. When the differential pressure reaches the maximum allowed value, the central selector mechanism turns the selected filter chamber and blasts the entrained contaminants from the surface of the clean side. The backflushed chamber, now with clean elements, is refilled with fluid via a borehole on the clean side and air release valve. This sequence produces the air and water cycle again. The volume of filtrate is collected on the filter element in reverse direction and is returned to the filtering unit, which in turn automatically energizes the backflushing process. When clean, the cartridge filter is activated in accord with the differential pressure indicator and full. The backflush process then starts; the backflush air drives a small volume of fluid by means of compressed air from the air discharge valve, and blasts the entrained contaminants from the surface of the clean side. The air discharge valve, now with clean elements, is refilled with fluid via a borehole on the clean side and air release valve. This sequence produces the air and water cycle again. The volume of filtrate is collected on the filter element in reverse direction and is returned to the filtering unit, which in turn automatically energizes the backflushing process.
THE BENEFITS
A persuasive tick list

A whole host of new innovative developments enable the BOLL Automatic Filter TYPE 6.64 to deliver superior performance, reliability and economy. Key among these is:

1. Space savings due to the one-piece cast housing
2. More durable thanks to the reduced number of assemblies, moving parts and piping
3. Perfect synchronization of the backflushing process due to component integration
4. Easy access to the filter elements thanks to the quick-release covers
5. Less upkeep due to the use of virtually maintenance-free ball valves for the backflushing system.
SERVICE NETWORK
Maximum customer orientation for maximum satisfaction

BOLL & KIRCH continues to prove its strengths as a manufacturer and supplier of filters long after the product has been delivered. As a leading international supplier of marine and industrial filters for filtering fuels, lubricants, coolants and water with a global network of sales and service centers in five continents, BOLL & KIRCH has at its fingertips the ideal logistical basis for providing perfect customer support. Naturally, users of the BOLL Automatic Filter TYPE 6.64 also benefit from the advantages this worldwide network provides – swift delivery, faster availability of technical support and a trouble-free supply of replacement parts.