BOLLFILTER Automatic Type 6.64

The Compact Design Multichamber Filter
TASK AND APPLICATIONS
Uninterrupted Filtration without Pressure Loss

When 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, alkalines 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 BOLLFILTER Automatic Type 6.64 can be used for a wide range of purposes, e.g. for filtering diesel engine lubricants,

... for filtering caustic soda in bottle washing machines

... for filtering fuels or

... for filtering coolants in tooling machines
THE CONCEPT
Several filters in one.

The BOLLFILTER Automatic Type 6.64 is conceived to fill all these criteria to the full. The key to solving the task is in the filter chambers are subordinated so the filtering (back flushing) process proceeds at a fast, thorough and effective pace. As a result, the filtration process is extremely fast, thorough and effective. As a result, the cleaning (back flushing) process can be actuated in accordance with differential pressure and/or time.

In filtration mode the fluid to be filtered enters the lower inlet connection (1) of the filter housing, flows into the individual filter chambers (2) from the upper connection (3) of the filter housing through the upper outlet connection (4). All contaminants larger than the specified filtration level are retained by the filter elements (5). The cleaned liquid (6) is sent to the next usable filter chamber (2) via the filter element (5) and blasts the entrained contaminants from the surface of the filter elements and out of the filter chamber via the backflushing discharge valves (7). After being backflushed, the fluid in the sump is forced through the unclean sides of the filter elements (5) and air release (10) of the differential pressure indicator and blurs the entrained contaminants into the isolated filter chamber via the selection mechanism (9). Then this process has been completed the air and backflushing liquid is automatically stopped. The suction pump (8) is relaid with a backflushing liquid recovery unit. The suction pump is installed between the filtering process and the auxiliary liquid sump and differential pressure indicator/switch.

The size of the sump varies in accordance with the quantity of fluid discharged from a particular size of filter. The sump is a cylindrical filter element with a backflushing air inlet connection (8) and air release (10) of the differential pressure indicator and a backflushing liquid recovery unit. The suction pump is installed between the filtering process and the auxiliary liquid sump and differential pressure indicator/switch.

THE SERIES
The right tool for every need.

<table>
<thead>
<tr>
<th>Nominal Flow Rate</th>
<th>Production Capacity</th>
<th>Housing Material</th>
<th>Differential Pressure Resistance</th>
<th>Range of Application</th>
<th>Comments</th>
</tr>
</thead>
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<tr>
<td>20 l/min</td>
<td>30 l/min</td>
<td>Nodular cast iron / Nickel lining on request</td>
<td>Up to operating pressure</td>
<td>Lubricating oil, diesel oil, heavy fuel oil, coolants, emulsions, industrial wash liquids</td>
<td>Non-clogging, automatic, filter replaces very worn cartridges and isolates from flow unnecessarily opening the filtering process.</td>
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THE SUPPLEMENT
Filtration of the backflushing liquid

The optional backflushing liquid recovery unit is available on a per piece basis in order. The supplementary unit consists of a depth type cartridge filter, a backflushing liquid tank and different pressure indicator modules. The size of the tank varies in accordance with the quantity of fluid discharged from a particular size of filter. The backflushing liquid tank and differential pressure indicator modules. The size of the tank varies in accordance with the quantity of fluid discharged from a particular size of filter. The backflushing liquid tank and differential pressure indicator modules
THE BENEFITS
A persuasive tick list

A whole host of new innovative developments enable the BOLLFILTER Automatic 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.
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 BOLLFILTER Automatic 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.