



HiFlux Filtration A/S

Professional SELF-CLEANING Filter solutions

Auto-line© Self-cleaning filters VLR-E



Auto-line© Automatic Filters - VLR-E

HiFlux Auto-line filters are designed as compact self-cleaning automatic filters with a wide range of applications. The sturdy construction of the filter makes it well suited for industrial and hygienic applications in which operational reliability and dependability are essential.

The Auto-line filter is used in many sectors within water applications such as cooling water, energy, waste water, chemical, paper industry and CIP liquids.

The Auto-line filter is used when an automatic continuous cleaning process is required. The impurities are drained off at suitable intervals during operation, ensuring a concentration of the impurities, which leads to a minimum of liquid loss due to cleaning.

In the design of the filter it was very important to make the construction robust and reliable. By limiting the number of moving components, wear and maintenance requirements are minimized. The simple construction makes the filter very easy to service, since there is no need for external service assistance or special tools.

Special versions can be supplied according to customer requirements. Typically other temperature and/ or pressure levels.

CE ISO 9001

Capacity: 448 - 970 m³/h

Filtration: 100 - 1000 µm

Pressure: 10 bar

- **Removes unwanted particles**
High operational reliability
- **Continuous flow process**
Self-cleaning application
- **Ensures the quality**
High quality final product
- **Eliminates downtime**
Optimizing earnings
- **Savings on runnings costs**
Purchase and exchanging filter bags is no longer needed



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Product specifications

HiFlux Auto-line filters are manufactured of stainless acid-resistant steel. The filter meets current standards and norms for pressure vessels, complies with the Machinery directive and can be CE labelled.

The VLR-E filter is available ready for installation, complete with electronic controller and automatic drainvalve.

Filter vessel and element	EN 1.4404 steel
Design pressure	10 bar*
Test pressure	According to EN 13445
Max differential pressure:	3-7 bar
Max working temperature:	110°C (Fluid grp. 2 and vapor pre. < 0,5 bar)*
Volume:	485,0 liters
Weight:	650 kg
Power supply:	3 x 230/400V, 50 Hz
Air supply (for R-P version):	5-7 bar, filtered
Flange connection:	DN350 PN16 EN1092-1/11*
Drain:	Nipple Rp2 or DN50 PN16 EN1092-1/11*
Drain chamber volume:	22,0 liters
Filtration:	100-200-300-500-1000 µm

*Customized solutions can be manufactured upon request.

Capacity (at a viscosity of 1 cSt and as a pressure filter)

Diff. pressure (bar)	Strainer area cm ²	100*	150*	200*	300*	500*	1000*
0,05	14.400	448	448	448	490	490	490
0,10	14.400	642	642	642	690	690	690
0,15	14.400	792	792	792	840	840	840
0,20	14.400	918	918	918	970	970	970

*) Capacity in different filtration rates m³/ h/ µm

The filter should only be installed as a pressure filter in systems which have a positive overpressure (the surroundings must be taken into consideration).

All Auto-line filters are standardly produced according to the pressure equipment directive 2014/68/EU article 4, section 3. The Auto-line filters complies with the Machinery directive 2006/42/EC.

