



HiFlux Filtration A/S

# Professional SELF-CLEANING Liquid filter solutions

## Auto-line® Self-cleaning filters LVLR-E



# Auto-line® Automatic Filters - LVLR-E

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

The industrial Auto-line® filter is used in many sectors such as cooling water, waste water, technical water, heat exchanger, chemicals, resins and the energy sector.

The Auto-line® filter is used when an automatic continuous cleaning process is required. The impurities are being concentrated in the filter, until it is drained away, while the filter is still in operation the liquid loss due to cleaning is minimal.

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. In spite of the size of the filter, the maintenance is kept simple, with few internal parts and special designed helping tools, to ensure a simple maintenance with no need for external service assistance.

Special versions can be supplied according to customer requirements. Typically different connections, temperature and pressure levels.

CE ISO 9001

**Capacity:** 960 - 2000 m<sup>3</sup>/h

**Filtration:** 100 - 1000 µm

**Pressure:** 6 bar

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



VLR-E

# Auto-line® Automatic Filters - LVLR-E

## 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. The filter is CE labelled when the filter complies with relevant legislation.

The filter can be delivered ready for installation, complete with electronic controller and automatic drainvalve.

The Auto-line® filter solutions has a wide range of addons, such as: sealings, inverter, pressure sensors, de-air valve, legs and much more.

<b>Filter vessel and element:</b>	EN 1.4404 steel
<b>Design pressure:</b>	6 bar
<b>Test pressure:</b>	9 bar
<b>Max differential pressure:</b>	3-6 bar
<b>Max working temperature:</b>	80°C (Fluid grp. 2 and vapor pre. < 0,5 bar)
<b>Volume:</b>	1270,0 liters
<b>Weight:</b>	1100 kg
<b>Power supply:</b>	3 x 400V
<b>Air supply:</b>	6 bar, filtered
<b>Flange connection:</b>	DN500 PN10 EN1092-1/01
<b>Drain:</b>	Ball valve Rp2
<b>Drain chamber volume:</b>	88,0 liters
<b>Filtration:</b>	100-150-200-300-500-1000 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 <sup>2</sup>	100 µm	150 µm	200 µm	300 µm	500 µm	1000 µm
0,05	28.250	960	960	960	990	990	990
0,10	28.250	1360	1360	1360	1410	1410	1410
0,15	28.250	1670	1670	1670	1750	1750	1750
0,20	28.250	1940	1940	1940	2000	2000	2000

Capacity (m<sup>3</sup>/ h) at different filtration rates (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.

