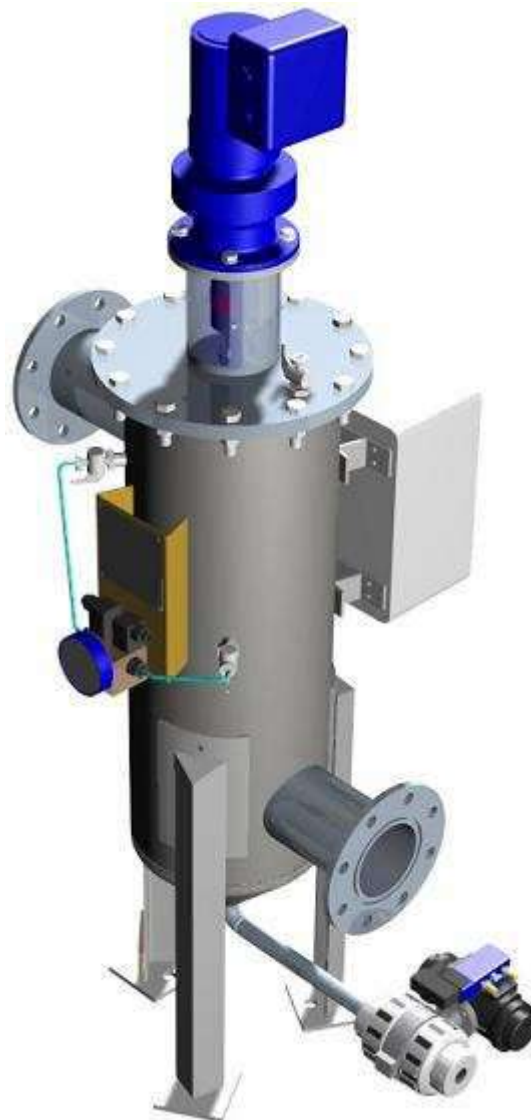


## Self-cleaning filters HSBI Series

- Constructed in stainless steel, duplex steel and special alloys.
- Cleaning without flow interruption.
- Flow rates from 10 to more than 3000 m<sup>3</sup>/h.
- Filtration grade from 20 microns.
- Cleaning by scratching of filtering surface.
- Able for viscous and loaded fluids.



**Filtration experts since 1984**

Data and information is for reference only, and may vary depending on specific application

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## Self-cleaning filters HSBI Series

### Working:

Filter element is a cylinder made of a special wire, helically bound, keeping a distance between every shape round which define the filter grade. Opening is narrowest in the side in contact with the dirty fluid, so the dirt doesn't entry into the filter element.

The hydrodynamic design of flow into the filter make the biggest particles fall down directly to the bottom, meanwhile the smallest particles are retained in filtering surface where they'll be eliminated by scratching cleaning. Every particle falls down to the bottom of the body and will be evacuated time to time with the purge valve.

The cleaning drive and purge valve of solids can be hand guided or automatic operation; in the automatic one, the cleaning depends of the dirty degree (pressure loss), and/or with interval timer; the solids purge valve opens with a counter of cleaning process, with a very short opening valve time to minimise the loss of fluid.

### Options:

**Construction materials:** SS316L, Duplex & Super Duplex Steel, Monel, Titanium & more.

**Electric system:** IP 65 as standard, ATEX and explosion proof available

**Control system:** Integrated system with micro controller and alpha numeric display

**Power required:** 3Ph, 400/460V, 50/60Hz, others available on request.

**Cleaning drive:** Electric.

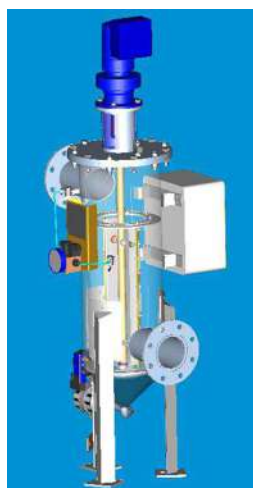
**Valve for outlet of solids:** Ball valve, others available.

**Valve actuator:** Electric or Pneumatic

**Gaskets:** EPDM, Neoprene, Viton, Silicone and more

**Internal bearings:** Special composite without lubrication

### Model:



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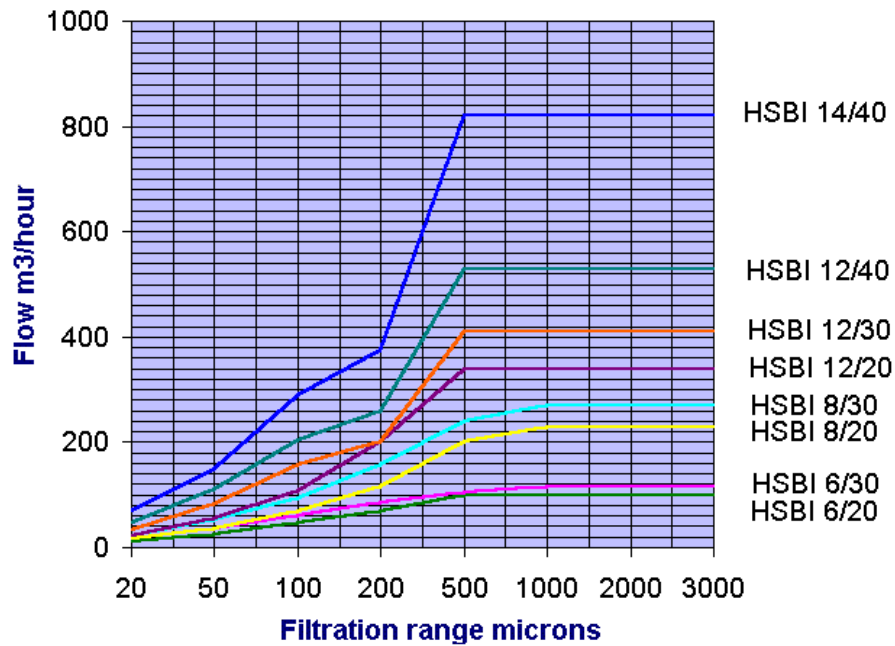
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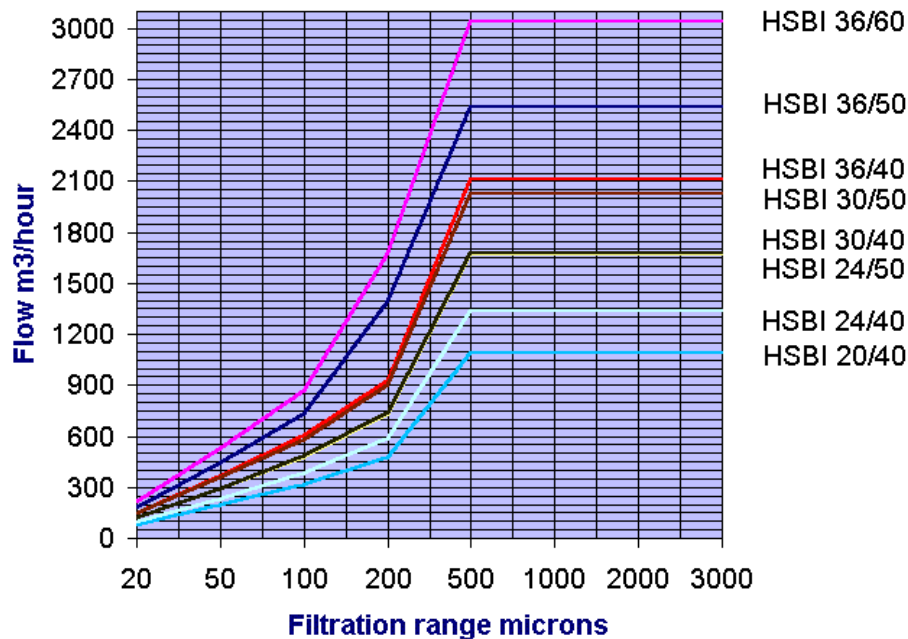
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## Flow rate HSBI Series Self Cleaning Filters (1)



## Flow rate HSBI Series Self Cleaning Filters (2)



Flows indicated are for water, inquiry for other sizes and/or every particular service of fluids with density and viscosity different to the water.

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