

Autarkic sieve screen

Powergrid-independent solids retention at discharge structures



The autarkic sieve screen of the GiWA brand is driven by the integrated water wheel and can be fully connected to process control systems via mobile radio and monitored in real time. Thanks to the intelligent use of naturally available hydro energy, the entire process does not require a power supply. The environmentally friendly computer operation

also functions reliably in the event of power shortages. Installation and maintenance are carried out without a special installation opening via pits with a diameter of 590 mm. The series-produced and modularly applicable autarkic screen is a very inexpensive investment in a long-term clean future.



100% Autarkic

Completely autarkic operation with hydropower



Easy assembly & maintenance

Pit opening of Ø590 mm sufficient



Flexibly applicable

Variable rake width between 1.75m to 2m



Highest operational safety

Thanks to robust mechanics without sensitive electronics



Patented and unique

skimming mechanics in case of solids overload



Reliable customer service

A fast and personal service is close to our heart

STEBATEC AG

Mattenstrasse 6a  CH-2555 Brügg
+41 32 366 95 95  info@stebatec.ch
stebatec.ch



The screen that cleans autonomously and reliably

The autarkic sieve screen is characterised by its robust mechanics, which function independently of sensitive electronics and sensors. This makes it very low-maintenance. The fine skimming mechanism does not pulverise the screenings, as there are only very short skimming paths.

Thanks to the vertical wiping action, the autarkic screen can also be exposed to a frontal flow and still be reliably freed from the screenings.



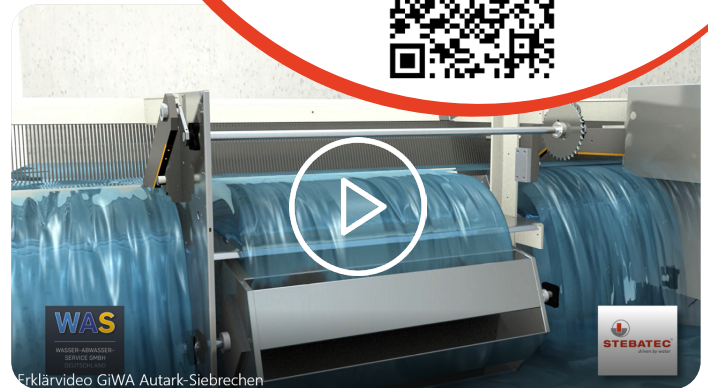
Suitable for

- Frontal approach flow
- High solids concentration
- Water
- Rainwater
- Waste water
- Raw sewage
- Biologically and chemically polluted waste water

Technical specification

Dimensions	Standard version WxHxD / 1974 x1035x420mm
Drive	Completely autarkic via water wheel
Mechanics	Independent water wheels (one drive per 2m rake element) increase operational safety
Mounting opening	590 mm diameter for structures of all types
Retention properties	Vertically arranged bars that effectively retain floating material
Bar spacing	7mm

Watch explanatory video now



An all-round clean solution - rely on the flexibility of the autarkic screen

No special installation openings on shafts are necessary for installation and maintenance. A pit entrance of 590 mm is completely sufficient to insert the screen into the structure. Due to its simple modular design, the screen does not require any special maintenance and is maintained independently by the operating personnel.

Due to its space-saving design, the autarkic screen is also suitable for very tight spaces. Due to its independent operation from power sources, it can be used in any structure. The screen feels most at home in complex and remote structures. In addition, the worldwide unique and patented skimming mechanism guarantees reliable operation even in case of solids overload.

Maintenance interval	No regular maintenance necessary
Monitoring	Using STEBAnet mobile and ARAbella online & local
Assembly & Maintenance	Can be easily disassembled into individual parts and reassembled again
Patents	Unique skimming mechanism in case of solids overload
Retrofittable	Yes, the rake is ideal for retrofitting
Options	Electric drive



Do you have a question about the product?
I am glad to be here for you.

Heinrich Hesse

+41 32 366 95 95  heinrich.hesse@stebatec.ch

