

Barscreen General

Removal of suspended and floating coarse debris

Hubert raked barscreens are eminent suitable for removing suspended and floating coarse debris such as weed, reed, plastics etc. from surface water.

Types

A raked barscreen consists of a fixed barscreen and a raking mechanism. The design of the raking mechanism is determined by the dimensions of the barscreen and the nature and composition of the coarse debris to be removed.



A general subdivision into the following types can be made.

Chain operated screens

- **MINIRAKE.**
Raking mechanism at the front of the barscreen.
This type of screen is ideal for cleaning of small channels, with a flow capacity of 250 up to 3500 m³/h. The simple and ridged design assures a reliable operation.
- **WISA.**
Raking mechanism at the front of the barscreen.
This type of barscreen is ideal for small and medium sized inlet systems, for the removing of large quantities of debris in a short time. This type of screens is suitable for flow capacities of 1000 up to 50.000 m³/h.
- **BORSEL.**
Raking mechanism at the front of the barscreen.
This type of barscreen is designed for medium and large inlet systems and particularly suitable for use in salt/seawater environmental, for the removal of large quantities in a short time. This type of screens is suitable for flow capacities of 3000 up to 80.000 m³/h.
- **DOKWED.**
Raking mechanism at the rear of the barscreen.
This type of screen is suitable for removing large quantities of coarse debris like trees, floating reed etc.

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Cable operated screens

- DAMRAN.
Cable operated raking mechanism at the front of the barscreen.
This type of screen is particularly applied for removing medium and large coarse debris from water inlets. Advantage of this type of screen is that there are **no moving parts below water level**.
- MOBILE DAMRAN.
Cable operated raking mechanism at the front of the barscreen, riding along a rail track to clean the adjacent barscreens at the front.
This type of screen is particularly developed in medium-sized to large inlet channel and to remove medium and large coarse debris.

The HUBERT type raked barscreens MINIRAKE, WISA, BORSEL, DOKWED and DAMRAN are suitable for channel widths range up to 5 meters, with pit depths range up to 15 meters, and distances between bars of 6 to 100 mm.

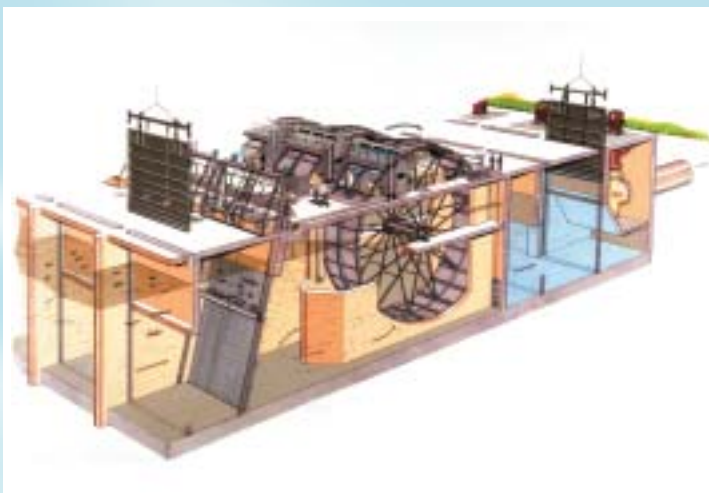
The MOBILE DAMRAN traveling raking system is designed for inlets with widths ranging from 10-100 m.

Installation can be supplied to meet almost any requirement in terms of capacity, channel width/depth, bar spacing and static head over the screen.

Applications

These raked barscreens are particular suitable for use in:

- cooling and process water inlets
- pumping stations
- influent treatment installations



Design

The various types of raked barscreens have a rigid design and are made of various materials.

Additional Equipment and Services

- several type of fine screening equipment
- stoplogs
- control equipment
- cathodic protection systems
- installation

Be informed that our services are not limited to the engineering and manufacturing of our machinery's and equipment. Hubert is also your reliable partner for the erection, start-up, service and maintenance of our machinery's and equipment, worldwide.

HUBERT
PRODUCTS

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