



Screens & Headworks

Product Brochure

Product overview

Supply and installation of bar screens, fine screens, and complete headworks pre-treatment for wastewater treatment plants and pump stations.

The headworks is the first stage of any wastewater treatment plant, protecting all downstream equipment by removing rags, debris, grit, and coarse solids. Etaniv supplies and installs complete pre-treatment trains — mechanically raked bar screens, fine screens, screenings washing and compaction, and grit removal — integrated with the plant's channels, controls, and conveyance.

Screen type and aperture are selected for the required capture ratio and the plant's downstream process, from robust coarse bar screens at the inlet to fine screens ahead of membrane or advanced biological stages. All equipment is supplied in corrosion-resistant materials suited to the aggressive headworks environment.

As the exclusive partner of Wilo FSM (Germany), Etaniv supplies and installs their field-proven screening technology — including center-flow band screens — with full local engineering, installation, and after-sales service.

Key features

Key technical and commercial advantages:

- Exclusive partner of Wilo FSM (Germany) — field-proven screening technology
- Complete headworks packages — screening, washing, compaction, and grit removal
- Coarse and fine screens selected for the required capture ratio
- Corrosion-resistant stainless steel construction for long service life
- Screenings washing and compaction reduces volume and disposal cost
- Automated, low-maintenance operation integrated with plant controls
- Full electromechanical supply and installation by one team

Typical applications

Typical application types include:

- Inlet works of municipal and industrial wastewater treatment plants
- Pump station pre-treatment and protection
- Fine screening ahead of membrane bioreactors and advanced biological stages
- Retrofit and upgrade of existing headworks

Technical specifications

Flow rate (m³/hr)	Tailored to project — plant and pump-station capacities
Manufacturer	Wilo FSM (Germany) — Etaniv is the exclusive partner
Screen type	Mechanically raked bar screens; fine screens (band / center flow)
Screen aperture	Coarse to fine, selected per required capture ratio
Screenings handling	Integrated washing and compaction to reduce volume
Grit removal	Vortex or channel grit systems available
Channel integration	Sized and fitted to new or existing channels
Materials of construction	304 / 316 stainless steel for the headworks environment
Controls	Automated operation integrated with plant SCADA / PLC
Scope	Full electromechanical supply, installation, and commissioning

Product photo



Why Etaniv

Etaniv B.Y. Ltd is an Israeli manufacturer and integrator of environmental technologies for water, wastewater, and odor control. We design, supply, install, and maintain our systems in-house — backed by 20+ years of field experience and international technology partnerships.

- Full lifecycle service — design, installation, and maintenance by one team
- Own manufacture — quality controlled from design to delivery
- Supplied and installed to applicable Israeli standards
- Backed by international technology partnerships
- 50+ active clients across Israel

Contact us

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