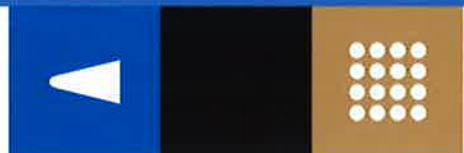


 Trislot®



Filter elements for ballast water
management systems



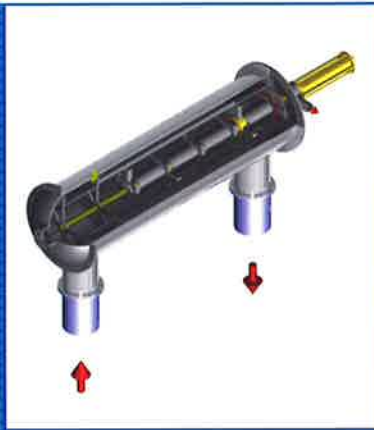
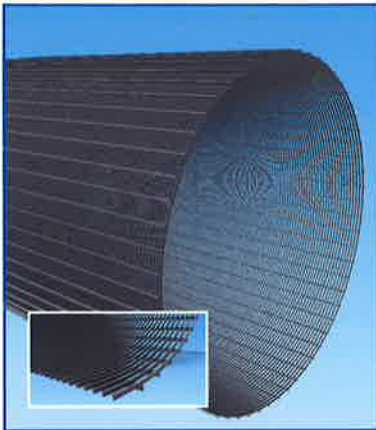
Products

Single basket filters

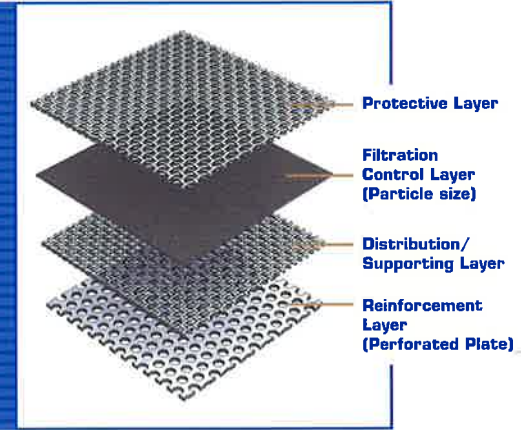
1. Multi nozzle cleaning filters

Wedge wire

- ▶ Reverse rolled slottube



Wire mesh



Characteristics:

- ▶ Radial slots
- ▶ Smooth surface on the inside

Cleaning:

- Cleaning by suction nozzles sometimes in combination with brush

Characteristics:

- # Single or multi layer mesh sintered on perforated reinforcement

2. Self cleaning filters

Wedge wire

- ▶ Cylinder



Wire mesh



Characteristics:

- ▶ Axial slots
- ▶ Smooth surface on the inside

Cleaning principles can be:

- Bernoulli effect
- Suction plate
- Scraper

Characteristics:

- # Single or multi layer mesh sintered on perforated reinforcement

Products

Multi candle filters

Wedge wire

- ▶ Continuous cylinder



Characteristics:

- ▶ Continuous axial slots
- ▶ Smooth surface on the inside

Cleaning:

- Back wash

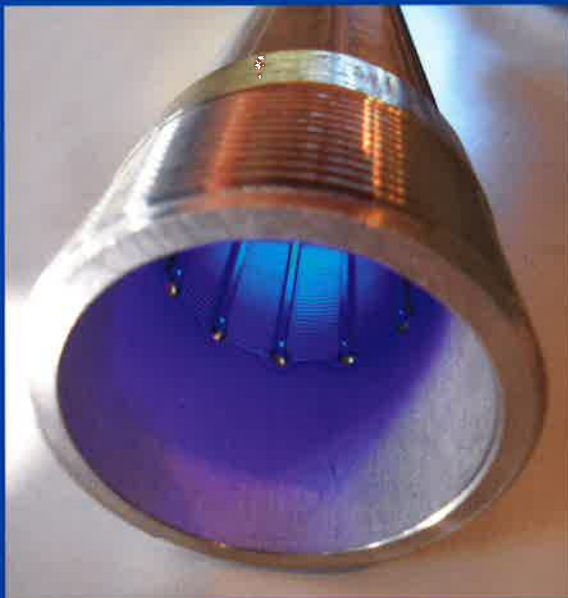
Wire mesh



Characteristics:

- # Specially developed mesh for ballast water ensuring low delta P and improved back wash efficiency

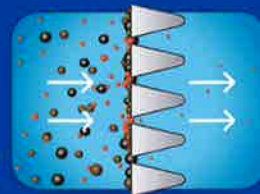
- ▶ Slot tube with reversed wire



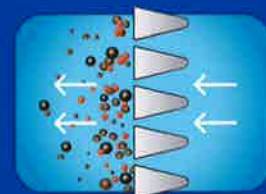
Characteristics:

- ▶ Radial slots
- ▶ Flow in to out
- ▶ Support wires on the inside

Filtering



Backwashing



Advantages

Wedge wire

- ▶ Outperforms any other medium on cleanability
- ▶ Mechanical strength
- ▶ Non clogging
- ▶ Wide range of available materials: AISI 316L, monel 400, SMO 254, Super Duplex, Duplex

PRODUCT PROPERTIES

- ▶ Filtration rate from 25 μ and up

Wire mesh

- # Self supporting structure
- # High open area
- # Available in AISI 316L & monel 400

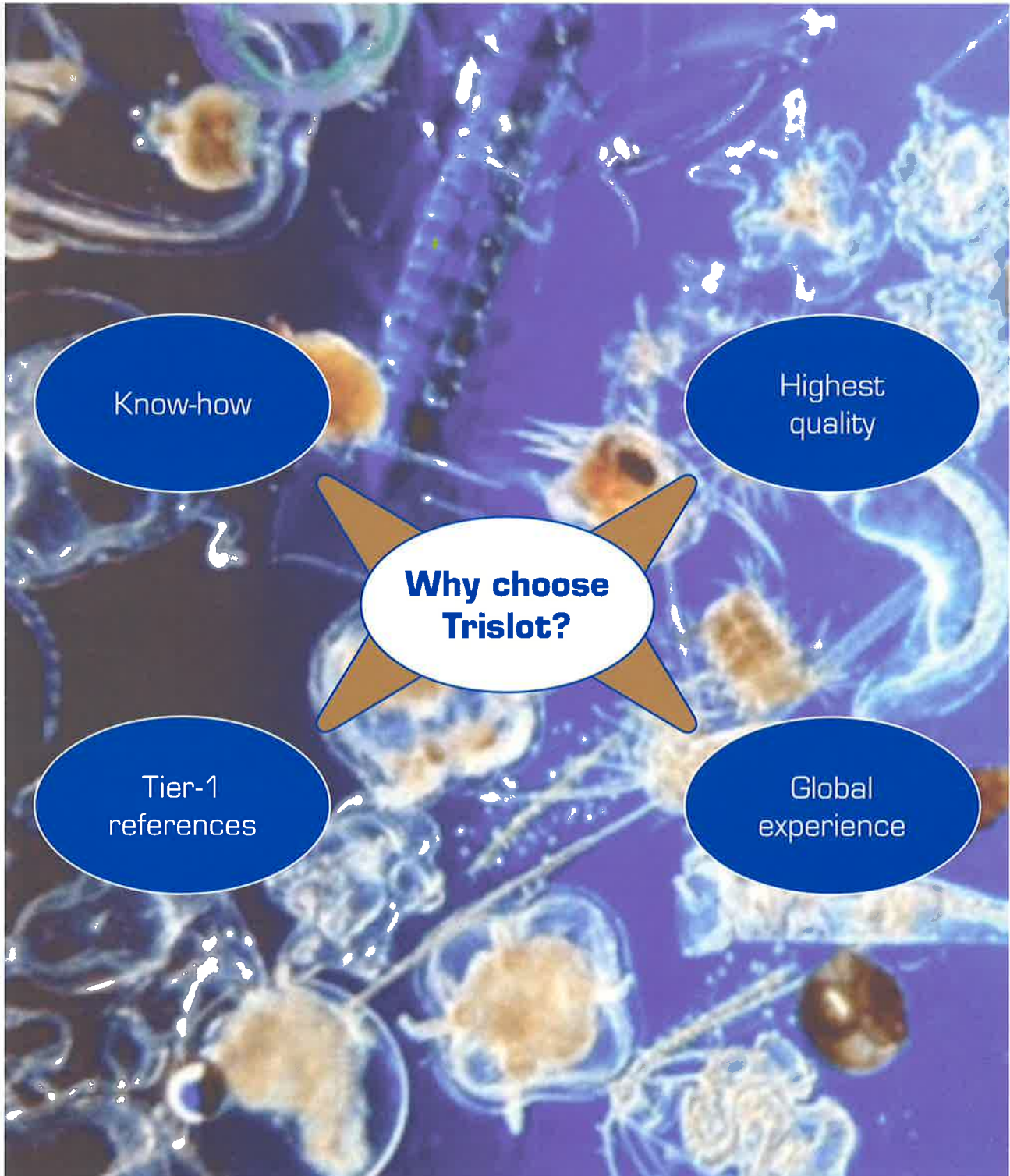
PRODUCT PROPERTIES

- # Nominal filtration rate from 5 μ to 100 μ



Why filtration in ballast water treatment?

- ▶ According to IMO and US Coast Guard Regulations, all organisms > 50 micron must be eliminated
- ▶ Less sediment in ballast tanks to reduce maintenance costs
- ▶ To facilitate the disinfection process





Trislot® Quality Assurance

- ▶ ISO 9001 Certified
- ▶ Trislot® focuses on Total Quality Management
- ▶ 50 years of experience

Trislot® dedicated Sales team



From left to right : Mike Verduyn, Marie Cheyns, Yannic Lievrouw, Glenn Vercruyce, Sandra Van Slambrouck, Yves Struyve, Nurit Galling, Geert Follet

Conclusion

Trislot® offers a complete range of solutions, making us an ideal partner for your filtration needs.

References

Trislot® has supplied wedge wire screens to Tier-1 OEM's active in the market of ballast water management systems. References can be submitted on request and after discussion with our customers.

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