

HAYER & BOECKER



DIE DRAHTWEBER

METAL WIRE MESH FOR WATER FILTRATION.

DISCOVER UNLIMITED OPPORTUNITIES.



Reliability



Availability



Solutions



Product quality

W ~ A ~ T ~ E ~ R

Who? What? Which?

So we can get an idea.

- ✓ Who is the system operator?
His needs and requirements are our motivation.
- ✓ What is to be achieved?
From the retention of fine particles to energy generation.
- ✓ What should the filter medium look like?
From finding a solution together to the realisation of specific shapes.
- ✓ Which materials are suitable?
The decisive factors are temperature and composition of the water.

Applications

Here is our focus.

- ✓ Filtration of microplastics:
Max. flow rate; retention of microplastics $\geq 5\mu\text{m}$.
- ✓ Ballast water treatment:
Very good cleaning; corrosion resistance and stability against high pressures.
- ✓ Waste water treatment:
Very good purification; filtration of all dirt particles and suspended solids $\geq 5\mu\text{m}$.
- ✓ Seawater desalination:
Very good purification; corrosion resistance and stability against high pressures.






Technical specifications

Relevant MINIMESH®-S metal filter cloth types and their properties.

| Type of weave | Flow properties | Backwashability / cleanability | Mechanical robustness | Pore distribution / separation efficiency | Pore size |
|---------------|-----------------|--------------------------------|-----------------------|---|---------------------------------------|
| SPW-S | ++ | ++ | + | +++ | 30 μm to 300 μm |
| HIFLO-S | +++ | +++ | | +++ | 11 μm to 40 μm |
| HIFLO-SR | +++ | +++ | + | ++ | 10 μm to 20 μm |
| DTW-S | | | ++ | +++ | 7 μm to 120 μm |
| RPD-S | ++ | + | +++ | + | 20 μm to 200 μm |
| RPD HIFLO-S | ++ | ++ | +++ | + | 5 μm to 40 μm |

+++ excellent ++ very good + good

From manufacture to series production.

| Weave type | | Customized | | |
|---|---|---|---|---|
| Rolls and cut-to-size pieces | Laminate | Filter candle / cylinder | Filter plate / disc | Deep drawn parts |
|  |  |  |  |  |

Efficiency

It's all about the right combination.

- ✓ Flow rate: The system footprint as an indicator for the ideal mesh form.
- ✓ Filter fineness: Maintaining the degree of separation is crucial.
- ✓ Variety of materials: Corrosion resistance and suitability for welding are important.

Regenerability

Woven Wire Mesh always is a good idea.

- ✓ Minimisation of additional expenses for cleaning, new purchases, production downtime at the customer and disposal.

The world of tomorrow needs our wire mesh, because...

