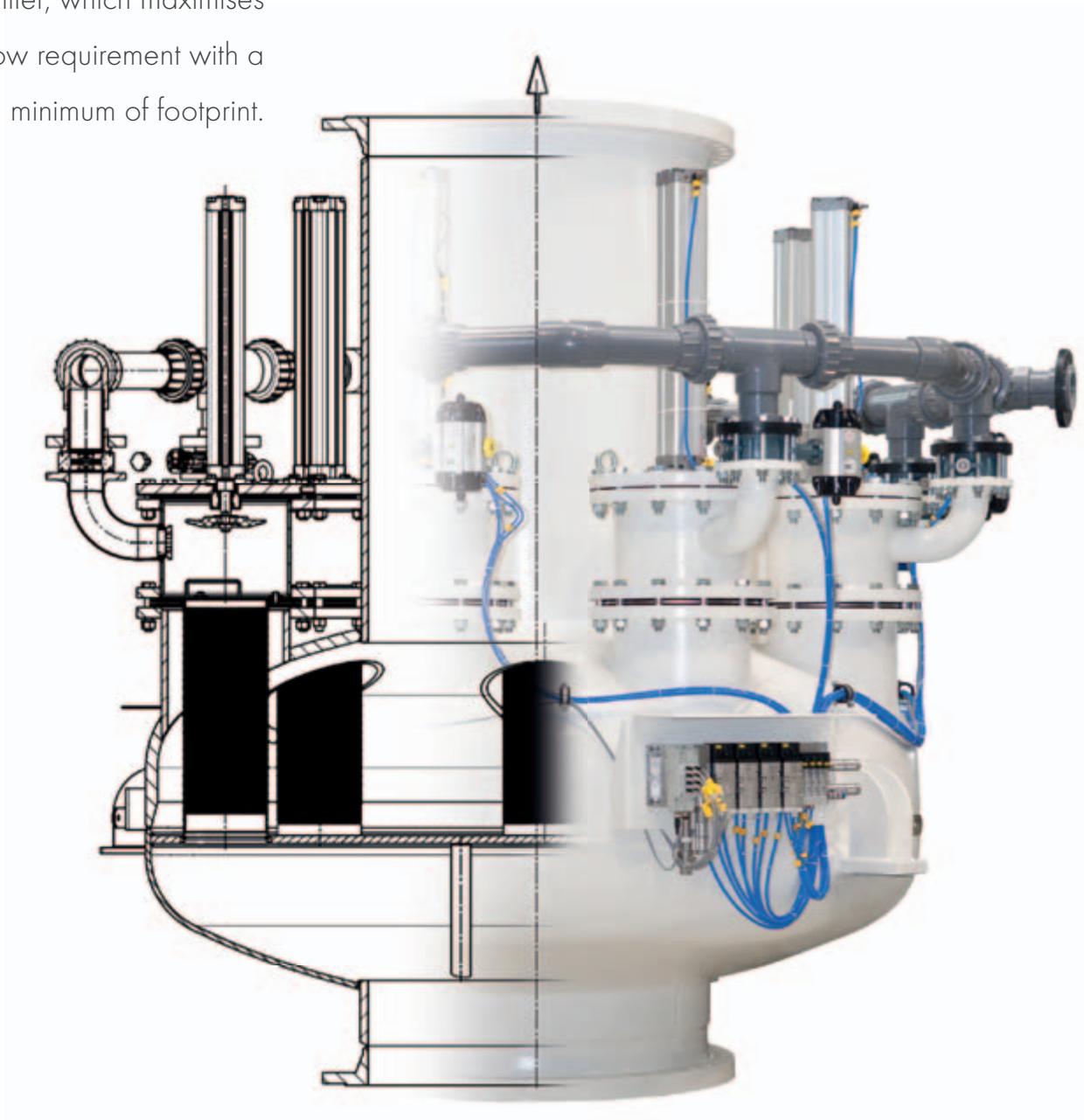


# Automatic Filter F480 Multi

## The compact giant

SAB offers a new dimension in the protection of your plant and machinery with our fully automated, self-cleaning F480 Multi Filter, which maximises fulfilment of any flow requirement with a minimum of footprint.



# The SAB promise to bring innovation to the market



All industry is currently experiencing increasing needs for cooling and process water. As a result, requirements have grown for greater efficiency in filtration and for protection of downstream plant equipment in general. For SAB the logical conclusion lay in further development of our continuous self-cleaning F450 Filter to create our new F480 Multi Filter. This new development enables considerably higher flow performance with a relatively small foot print, increases efficiency and life cycle of heat exchanger plates, and prolongs service life of the complete plant.

## Automatic cleaning makes a difference

With a maximum flow rate of 45,000 m<sup>3</sup>/h and connection sizes up to DN 2000 (80"), the F480 Multi Filter protects your equipment from clogging, contamination, and damage. Precisely controlled and fully automated, the F480 Multi Filter operates continuously without unplanned shutdowns. SAB offer you top-quality German engineering with the accuracy and reliability of a Swiss clock - all thanks to the principle discovered by the Dutch engineer Daniel Bernoulli.

## Compact to save space and cost

The innovative multi-strainer design of the F480 Multi Filter enables SAB to offer an extremely compact design that is the key to minimizing cost. The saving in space allows technicians easy access for the service of the pump and helps prevent problems in leakage - which ensures cost-effective maintenance.

## Integrated electronic control

The improved electronic control unit supplied with the F480 Multi Filter can be integrated into a distribution control system - which is both easy to use and to monitor with an integrated touch screen.



Petrochemical industry

Guaranteed filtration of sand, algae, snails, and mussels



Chemical industry

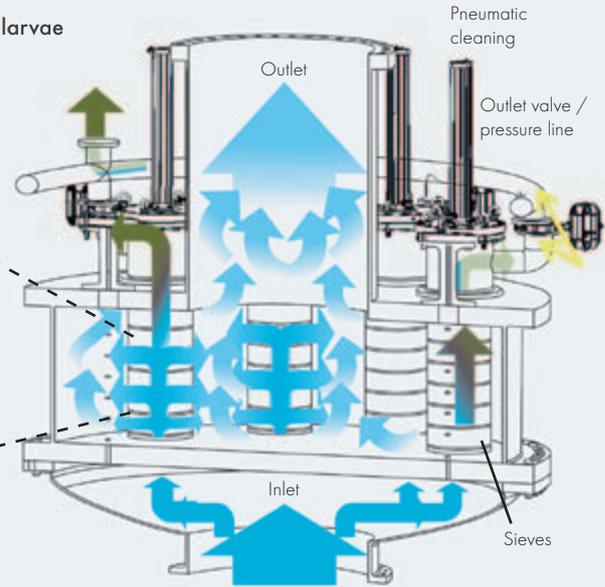
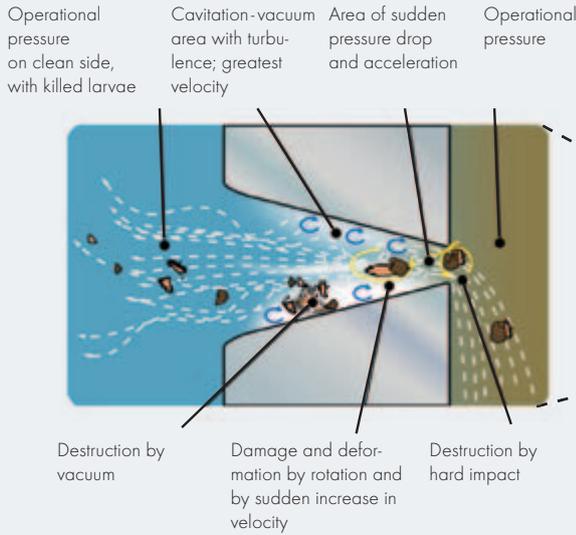
Protection of plate heat exchangers and in-line equipment from sand, algae, snails, and mussels



Power plants

Continuous cleaning of river and sea water for protection of plants and machinery

**These images show how the SAB system eliminates mussel and snail larvae**



The integral components of the SAB electronic control unit implement monitoring of filter performance by remote control with the acclaimed SAB service and support system. If agreed with the customer, SAB technicians log in from anywhere in the world to monitor, check, and modify operational parameters. For example, they can adjust back-flush volume to optimise the number of flushing cycles and therefore to reduce costs. This system likewise offers a data log to avoid down time for preservice maintenance and upgrades.

**Outstanding in operation yet compact in size:**

**The F480 Multi Filter in summary**

- Reliable filtration with high-volume flow: from 5,000 to 45,000 m<sup>3</sup>/h
- Suitability for aggressive fluids in almost any process
- Wear-and-tear protection with corrosion-resistance materials
- Guaranteed protection against clogging and fouling by elimination of mussel and snail larvae
- Nominal sizes from DN400 to DN2000
- Operational pressure from as low as 0.6 bar to as high as 16 bar
- Standard mesh sizes from 150 µm to 10 mm (finer on request)
- Sieves as either slot-wedge wire or basket strainers
- Fully automatic operation, which ensures high availability and continuous operation without interruption or unplanned down time
- The innovative updated SAB control unit, which allows remote monitoring
- Reduced size, which enables satisfying small footprint requirements to optimise connection availability
- Inlet and outlet positions in the numbers required by the customer
- Quality fitting in the design and availability of spare parts, which makes the F480 Multi Filter service friendly



**Desalination plants**

SAB filters are suitable for high flow rates of aggressive fluids. SAB has supplied protection for desalination plants throughout the world.



**Offshore rigs**

Precise filtration performance, ease of operation, and minimum footprints make the new F480 Multi Filter the optimal solution for use on offshore rigs.



**Shipbuilding**

Filter systems in use for recycling of sea and river water for onboard equipment – and for exhaust-gas and air-system cooling.



Directive for  
Pressurized Equipment  
97 / 23 / EG

**In summary: the F480 Multi Filter is unique and a true SAB innovation for industry**

This is genuine SAB innovation at its best: we talk with and listen to industry and offer the best solution for each individual case.

Top performance, technician friendliness, intelligent automatic control, and – most important for all companies – enormous cost-reduction potential. All this makes this fully automated self-cleaning F480 Multi Filter an indispensable component in modern plant engineering design.

**Service – immediately available around the world**

As our clients' reliable business partner, we are well known as highly effective consultants – from the initial idea up to after-sales service. Our technicians supervise start-up at site, to include system commissioning and training of the customer's staff.

We effectively support you in optimisation of the systems and provide best service and support – worldwide.

In addition, Schünemann original spare parts are all available on very short notice.

