

SAF-COM Sand Filter

RWO

Simple and Efficient Pre-treatment for Reverse Osmosis

The RWO sand filter SAF-COM is generally used as a pre-filtration step for fresh and process water treatment. The SAF-COM removes suspended particles. The system ensures high process efficiency of further filtration steps for fresh and process water treatment e.g. the RWO seawater reverse osmosis plant SRO-COM.



SAF-COM for pre-filtration for fresh and process water treatment

How it Works

It is a closed filter system and the filter media are chosen according to the raw water quality. These materials retain the turbidity in the filter. When the capacity of the filter is exhausted, it will be back-washed.

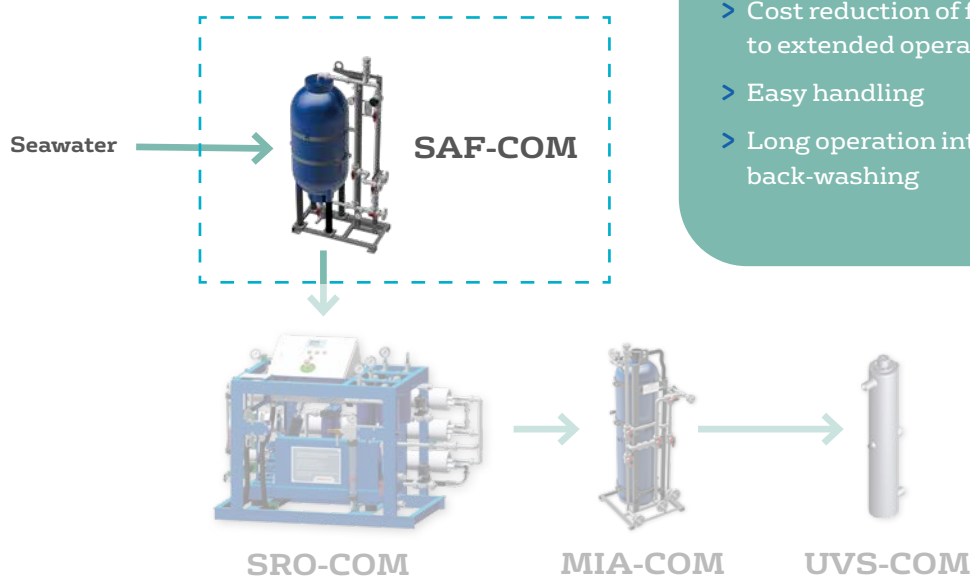
The dirt particles are rinsed out of the sand in the sand scrubber using filtered water. The rinsed sand trickles onto the sand filter bed and is available for further filtration. The dirt particles are removed from the system using the backwash water.

Easy Handling

The sand filter has a long life-cycle and is easy to operate. This plug-and-play unit does not need any electrical and pneumatic connections. The filter housings are made of polycarbonate. They are available with manual backwashing. The range of flow rates in the standard program is from 0.42 m³/h to 7.86 m³/h.

Key Features & Benefits

- > Skid-mounted units in a compact, marine-suitable design
- > Reliable equipment, safe to operate
- > Cost reduction of fine filtration due to extended operation times
- > Easy handling
- > Long operation interval before back-washing



Type	Capacity* m ³ /h	Length mm	Width mm	Height mm	DN/PN	Wet weight kg
SAF0420	0.42	725	470	1150	10/16	60
SAF01050	1.00	790	560	1360	15/16	100
SAF02040	2.00	920	555	1550	20/16	170
SAF03000	4.20	965	615	1875	25/16	310
SAF06000	8.50	1340	835	2125	40/16	680
SAF07860	7.86	1580	990	2120	50/16	1135

*Volumetric flow depends on the water composition and the type of filter media.