

SUGOI Super Purifier



Safer Water Where It Is Needed Most

Advanced membrane filtration technology from Japan for field use

1 Treat even highly turbid water

2 Removes 99.9% of bacteria, including E. coli

3 Produces up to 16 L/min of treated water

Safer Water Where It Is Needed Most

In disaster-affected areas, flood-prone regions, displacement settings, and rural off-grid communities, access to safer water is essential for protecting health and dignity, yet it often remains limited.

In many contexts, deteriorating water quality and increasing groundwater contamination are making access to safer water even more difficult for vulnerable populations. Super Purifier SUGOI helps improve access to safer water through advanced hollow fiber membrane filtration.

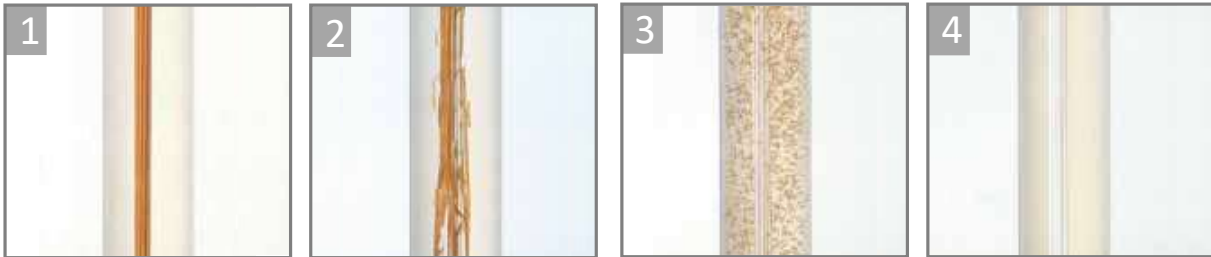
SUGOI is designed to remove physical impurities and waterborne pathogens associated with diarrheal diseases, including bacteria such as E. coli. It is not designed to remove dissolved heavy metals or other dissolved chemical contaminants from water.

Solar-Powered and Designed for Field Conditions

SUGOI is designed for use in areas where stable electricity is unavailable or unreliable. Despite its compact design, it can produce up to 16 liters of treated water per minute using solar power. This makes it suitable for rural communities, temporary settlements, and emergency response settings where decentralized water access is needed.

Additional units can be installed easily to expand capacity, allowing flexible deployment based on local needs, population size, and operating conditions.

Low-Maintenance System for Sustainable Operation

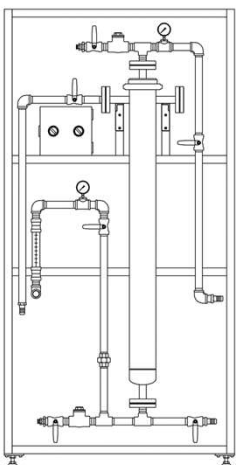


SUGOI is equipped with an air-assisted backwash system that cleans the membrane surface without chemicals.

Compressed air is injected into the membrane to lift and remove trapped impurities through air bubbles, helping to reduce membrane fouling.

This function reduces maintenance requirements and supports stable long-term operation in field environments, allowing the membrane to maintain high performance for up to five years without replacement.

Technical Specifications



Model	SF7-150
Size / Weight	W850 x D620 x H1700 (mm) / 100 kg
Filtration Capacity	Up to 16 L / minute
Power	300W / Solar-compatible
Filter Type	Hollow Fiber Membrane
Maintenance	Air-assisted membrane cleaning