

REVERSE OSMOSIS SYSTEMS



AIR + WATER



# FINESTFOG water purification system

Made in Germany: FINESTFOG reverse osmosis systems for industry and business.

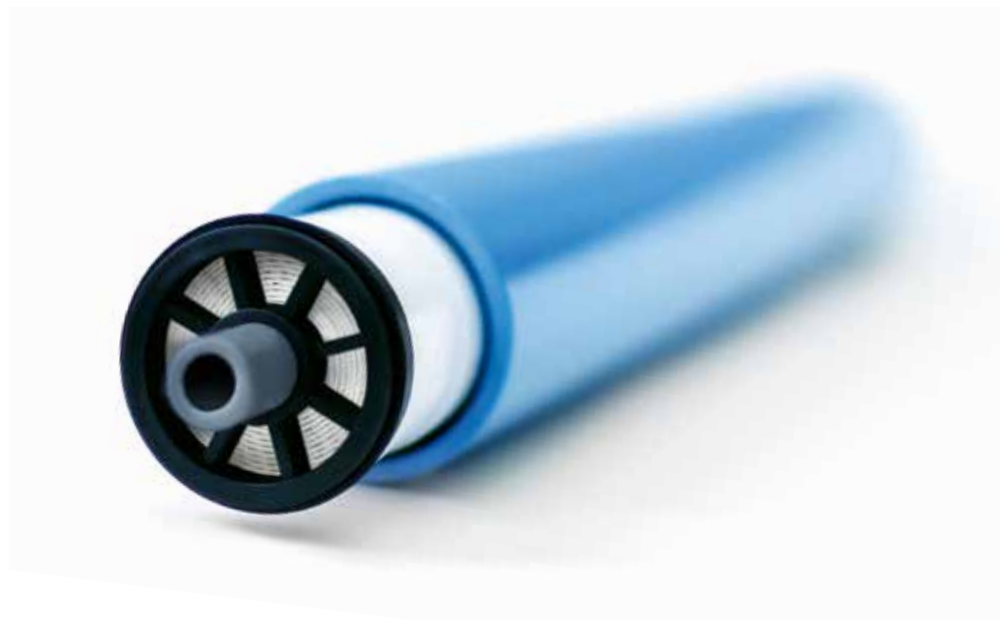
- Automotive
- Printing
- Painting and coating
- Wood processing
- Electronics
- Textile production
- Food processing

FINESTFOG supplies compact, ready-to-go water purification units based on reverse osmosis. Water is forced through a semipermeable membrane. Solids, eg, magnesium, calcium, microorganisms and other contaminants, are almost completely removed and discharged as a concentrate. The remaining water – up to 99% free of mineral salts and practically free of microorganisms – is suitable for many applications. Highly efficient humidification systems, for instance, in quality-conscious printing works, are supplied with pure water by FINESTFOG water purification units. The same units supply the conditioned process water for the printing presses.



**Ample pure water,  
very little waste water**

The FINESTFOG reverse osmosis module is at the heart of the water purification system. The high-performance, composite membrane is extremely efficient over a long service life. FINESTFOG water purification systems are scalable. We offer a range of performance classes (50 to 900 l purified water/hour) and the option of combining several systems to meet higher demand.



# Transparent, efficient and reliable

Assured water quality to improve the quality of your production processes.

## Hygiene

The FINESTFOG hygiene concept is unique. The combination of FINESTFOG water conditioning and UV sterilization ensures the purity of humidifier water. Various marks and certificates awarded to FINESTFOG systems provide ample proof:

- > Certification mark *DGUV Test Optimized Air Humidification* from the Deutsche Gesetzliche Unfallversicherung (DGUV), initiated by the ETEM trade association. Hygiene analyses by the Fresenius Institut in Taunusstein, Germany.
- > Test certificate *GS – Geprüfte Sicherheit*, also issued by the DGUV.

## Cost efficiency

The open design of FINESTFOG water purification systems makes it possible to keep a close check on the purification process, ensuring reliable and cost-efficient operation. Flow meters for permeate (purified water) and concentrate (waste water) track operating efficiency. A conductivity sensor tracks water quality. All operating data can be called up on a digital display.

## Compatibility

Ideally, a FINESTFOG water purification unit (below left: model RO300) is teamed with a FINESTFOG humidification system, which then assumes control of the water purification process. The alternative is a stand-alone solution such as the one shown below right (model RO900S). The autonomous system, with an integrated Siemens controller, produces pure water for any application.

