

# REVERSE OSMOSIS DEVICES IN LABORATORY USE

Reverse osmosis is a natural process which consist on separation water molecules from other substances. The main part of the system is TFC membrane(thin-layer, polyamide), which is connected with preliminary treatment filters (polipropylene fibre and active coal). It allows to get water, which is devoid of pollutions like heavy metals, bacteria, viruses, ions. It's an absolute filter with the smallest known porosity. It doesn't require regeneration. Final stage of treatment is ion-exchange column, which allows to get ultraclean water.

## Reverse osmosis devices OSMOTIC WATER - IDEAL FOR LABORATORY DESTINATION

- easy and tested way to water treatment
- special designed group of membranes for the highest efectivity of desalination
- ultraclean water with top organoleptic parameters (three versions depending on quality of recived water) :
  - Classic RO-PRO** - water with conductivity below 0,5  $\mu\text{S}/\text{cm}$ , with no organic compounds
  - Bacteriologic RO-PRO+** - water with conductivity below 0,5  $\mu\text{S}/\text{cm}$ , with no organic cmpounds and bacteria ( water double distiled on quartz glass)
  - Professional RO-PROExtra** - water with conductivity below 0,09  $\mu\text{S}/\text{cm}$ , with no organic compounds and bacteria (water double distiled on quartz glass)
- water using in AAS and HPLC anlysis
- components with atests
- no power supply
- reduce of costs in compare with distilation and redistilation
- unlimited amount of received water
- 10 years of guarantee, spare parts free during 2 years
- increasing of productivity by connecting additional membrane elements. **DON'T NEED TO BUY WHOLE DEVICE TO INCREASE PRODUCTION OF CLEAN WATER!**



Reverse osmosis device type RO-PRO3; RO-PRO6;

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Types an efficiency of available reverse osmosis devices

TYPE	WATER QUALITY	EFFECTIVITY
RO-PRO3 RO-PRO6	< 0,5 $\mu$ S/cm	3 dm <sup>3</sup> /h 6 dm <sup>3</sup> /h
RO-PRO10 RO-PRO15	< 0,5 $\mu$ S/cm	10 dm <sup>3</sup> /h 15 dm <sup>3</sup> /h
RO-PRO20 RO-PRO25		20 dm <sup>3</sup> /h 25 dm <sup>3</sup> /h
RO-PRO30 RO-PRO40	< 0,5 $\mu$ S/cm	30 dm <sup>3</sup> /h 40 dm <sup>3</sup> /h
RO-PRO50 RO-PRO70	< 0,5 $\mu$ S/cm	50 dm <sup>3</sup> /h 70 dm <sup>3</sup> /h
RO-PRO80 RO-PRO100-1200		80 dm <sup>3</sup> /h 100 - 1200 dm <sup>3</sup> /h

Components possess certificate TUV  
declaration of Conformity Council Directive EN  
filter certificate PZH



CAUTION:

Effectivity was defined for typical water mains pressure - 2,5-3,0 atm and water temperature - 12 °C.  
Higher pressure and temperature of entrance water will cause proportional increase of efficiency!

**We also offer devices:**

- Water softeners & Iron removers
- Technical filters
- UV lamps
- Reverse osmosis
- Dosage systems
- Demineralizators
- Galvanic waste treatment

\* In case of technical development, we reserve the right to change specifications



**TESTED AND CERTIFIED NSF INTERNATIONAL**  
ANSI/NSF STANDARD 61 Drinking Water System Components  
- Health Effects

