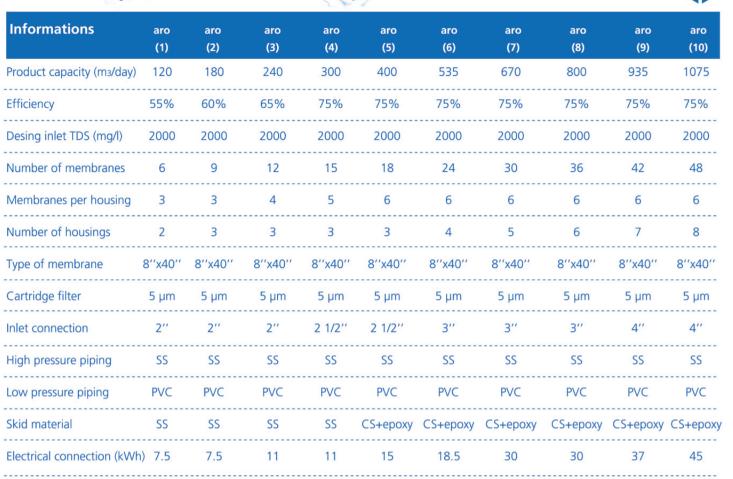
Technical Specs of aro



- > With over 32 years of engineering & manufacturing expertise,
- > Proven design and quality-control,
- > Process guarantees and full customer support,
- > ARTAŞ is your enduring partner.



Note: ARTAŞ reserves the right to change the content and the pictures in this brochure. The content of the brochure cannot be duplicated or used without written consent of ARTAŞ.

16 / 5 / 2014







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ARTAS MATERIAL WATER

Reverse Osmosis Units











aro

PASSION FOR THE ENVIRONMENT. ENERGY FOR THE FUTURE.

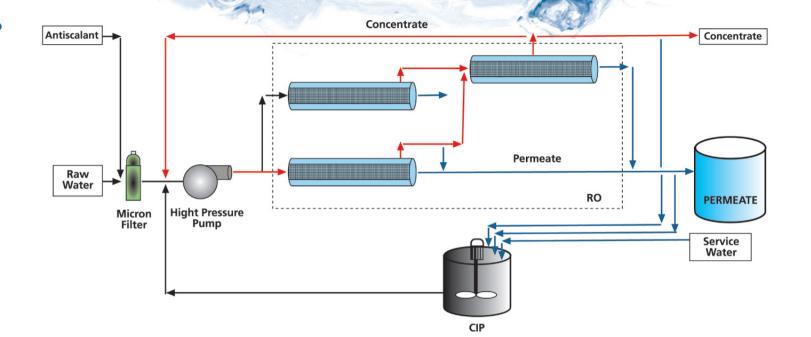
Fields of application

- Steam Boilers
- o Drinking water
- Medical and laboratory applications
- Metal Finishing Industry
- Plating Industry
- Textile Industry
- Food Industry
- o Hotels & Residences
- All Process water applications

Design parameters

- o Capture Efficiency: 90-99 %
- Silt Density-Index: < 3
- o Oil & Grease: None
- Fe Mn: None
- o Oxidants: None
- Organic Matter: None
- Design Temperature: 15 °C
- o Inlet Pressure: min. 3 bar

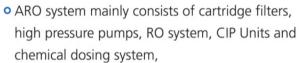


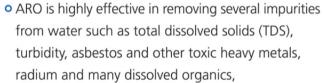


Benefits of aro

- Additional pre and post treatment can be combined
- Higher quality water produced
- Automatic and works constantly without intervals
- Compact
- Easy to maintain and operate
- Emergency shut-down
- Minimum space requirement
- Easy to install
- Stable water quality production
- Professional after-sale service

aro process description





- ARO membranes are capable of rejecting almost partically all particles, bacterias and organics
- treatment; as permeate and concentrate,
- Concentrate is the water that must be discharged, it contains most of contaminants,
- Cartridge Filters are used to prevent ARO and high
- Additional pre-treatment must be used to lengthen
- Optional Post-treatment can be used to further increase the quality of permeate water.

arocomponents

- Cartridge filters,
- High pressure pump,
- Pressure vessels,
- Membranes,
- o Instruments,
- o Control cabinet.

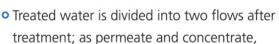
Optional equipment

- Pre-Treatment Unit (Filtration, chemical dosing, etc.)
- Post-Treatment Unit (Remineralization, chemical dosing, degasser, mixed-bed etc.)
- Disinfection









- Permeate is treated water and ready to use.
- High Pressure pumps are used to feed ARO system,
- pressure pumps from particulates,
- Chemicals are being dosed to prevent ARO system from clogging and fouling,

