



Standardised RO Desalination Systems

ROCOM 200 – 1200

**Modular Design - from RO system to complete desalination plant
incl. Pre treatment and Potabilisation**

UNIT	200	300	500
Capacity [m ³ /h]	9	13,5	22,5
Installed Power [kW]	71	96	121
Spec. Consumption RO [kW/m ³]	5,8	4,2	4,3

UNIT	600	1000	1200
Capacity [m ³ /h]	27	2 x 23	2 x 27,5
Installed Power [kW]	174	244	358
Spec. Consumption RO [kW/m ³]	4,5	4,3	4,5

Scope of supply:

Fine filtration:	Cartridge filtration (5 µm) in non-corrosive housing
High Pressure Pump:	High grade stainless steel multistage centrifugal pump
Energy Recovery System:	Integrated Turbine pump with Pelton wheel
RO elements:	8" Spiral wound high rejection membranes
Pressure Vessels:	High grade 8" vessels for 5 or 6 elements
Dosing station:	Chemical dosing station for feed water conditioning
Piping / Valve:	Low pressure: PVC-U or Al-Bronze High pressure: non corrosive stainless steel
Electrical System:	Fully automatic or manual

Optional Equipment / Accessories:

- Disinfection and Potabilisation Systems
- Cleaning system for Cleaning in Place (CIP)
- Sand- or dual-media filtration with inline flocculation
- RO Feed Pumps or Filter Feed Pumps from non-corrosive stainless steel

Containerised Systems:

Installation in 20" or 40" container depending on plant size