

HA-RO cube large

Designed for the production of pure water from drinking water

The **HA-RO cube large** system is designed for producing pure water from drinking water or pre-treated drinking water. It's available in four different configurations (large, large EH, large EH EDI, large EDI) to meet specific requirements for various applications. The basic HA-RO cube large system is a simple reverse osmosis unit capable of producing up to 130 L/h.

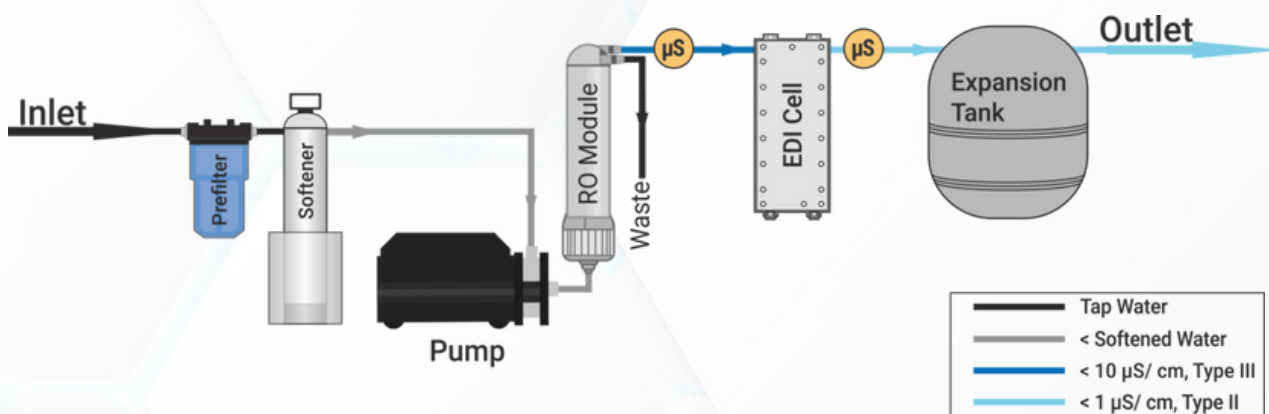
The **HA-RO cube large EH** integrates a water softening unit. Furthermore, the **HA-RO cube large EH EDI** adds an additional EDI cell to the water softening unit to provide a production capacity of up to 120 L/h with water quality < 1 µS/cm.



Technical Specifications & Requirements

Pure water quality (without EDI)	15 µS/cm; Type IV
Pure water quality (with EDI)	< 1 µS/cm, Type II
Production rate (without EDI)	max. 130 L/h
Production rate (with EDI)	max 120 L/h
Membrane retention rate	99 % salts, > 99 % gems/ bacteria
dimensions	890 x 810 x 560 mm
weight, power	110 kg, 230 V AC 16 A
feed water conductivity	max. 2500 µS/cm
feed water inlet pressure	3 - 6 bar
feed water temperature	5 - 25 °C
Silt Density Index (SDI)	< 3
Salt content	max 2000 mg/L
free chlorine	< 0.01 mg/L
Mangansese	0.05 mg/L
Iron	0.2 mg/L

Flowchart



Options & Features



Equipment

- The HA-RO cube is provided in a robust plastic frame structure, specially designed for underbench installation.
- The double-door design allows for easy access to the components
- The system processes are managed through an ECO control panel with a 2-line display
- The system comes standard with a system separator, a pressure switch for input pressure, and a pre-filter (5 µm, 10"). The integrated pressure boosting pump ensures the required operating pressure for the RO module
- The membrane pressure vessel with a capacity of 24 L maintains a largely constant pressure through which the treated and stored water can be delivered to the user (e.g., laboratory dishwasher, autoclave, disinfection device, pure water system)

Consumables

- The HA-RO cube large is engineered for minimal maintenance requirements.
- It is recommended to replace the prefilter annually.
- With the inclusion of the softener, the only additional requirement is salt for regeneration, which can be purchased at any hardware store. There is no need for cartridge replacements.

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