

# BASIC 5

Cat. No.: DB-005-0K



  
**HYDROLAB**®  
WATER PURIFICATION SYSTEMS

**Technical specification:**

- The device is fed by tap water.
- Water purification levels:
  - sediment pre-filter 5 $\mu$ m,
  - integrated module (sediment-carbon-softening),
  - demineralization on a mixed ionex resin.
- Water intake point - second purity class (ISO 3696:1999, ASTM, CLSI) - nozzle reach min. 2 m.
- Conductivity depending on the flow rate: 0,2 – 0,8  $\mu$ S/cm
- Maximum working pressure: 10 bar.
- Purified water intake speed: 1-2 dm<sup>3</sup>/min.
- Maintenance procedures may be performed by the user (easy disposables replacement).
- Fed by cold water: 5-40°C.
- Power supply: 230V/50Hz.
- Can be installed by the user.

**Functions monitoring the device:**

- The device is equipped with a microprocessor control and measurement system, that includes:
  - LCD display screen 2x16 characters,
  - conductometer measuring conductivity and temperature of demineralized water,
  - clock displaying date and time,
  - alarm informing about necessity to replace mechanical filter,
  - alarm informing about necessity to replace the mixed bed,
  - maintenance dates preview,
  - installed RS 232 connector intended for communication with a personal computer, allowing to make an individual set of maintenance frequency and alarm levels

**Dimensions (width x depth x height):** 235x440x510 mm

**Feed water parameters:**

- Conductivity < 1200  $\mu$ S/cm
- Pressure > 3 bar
- Temperature: 5-40°C
- Hardness < 250 mg CaCO<sub>3</sub>/dm<sup>3</sup>
- Fe < 0,2 mg/dm<sup>3</sup>

**Usage:**

Obtained water may be used for for general-purpose research, for autoclaves, climatic chambers, etc.

**Required connections:**

- cold water connection 1/2" or 3/4",
- 230V socket.

Model	Module A2	Sediment prefilter 5 $\mu$ m	Module H6
Basic 5	+	+	+
Lifetime	6 months*	6 months*	28 g CaCO <sub>3</sub> /liter of ion resin
Cat. no.	EO-MA-12	EO-005-10	EJ-5000-0

\* żywotność wkładu może ulegać zmianie w zależności od przepływu, jego charakterystyki oraz poziomu i rodzaju zanieczyszczenia wody wodociągowej.

\*\* objętość wody oczyszczonej zależy od jakości wody zasilającej, maksymalna ilość soli rozpuszczonych w wodzie zasilającej – 1200 mg/l