

# BASIC 10

Cat. No.: DB-010-0K



  
**HYDROLAB**<sup>®</sup>  
WATER PURIFICATION SYSTEMS

**Technical specification:**

- The device is fed by tap water.
- Water purification levels:
  - sediment pre-filter 5µm,
  - 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 µS/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.
- Energy consumption < 25W.
- 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):** 270x470x570 mm

**Feed water parameters:**

- Conductivity < 1200 µS/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    | Sediment prefilter<br>5µm/GAC 10" | Ion resin<br>10l                           |
|----------|-----------------------------------|--|
| Basic 10 | +                                 | +  |
| Lifetime | 6 months*                         | 28 g CaCO <sub>3</sub> /liter of ion resin |
| Cat. no. | EOW-011-10                        | 10 x EJ-001-0                              |

\* 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