

HLP Smart

Cat. No: DH-0004-00




HYDROLAB[®]
WATER PURIFICATION SYSTEMS



Technical specification:

- The device works under tap water pressure.
- Water purification levels:
 - sediment pre-filter 5 μ m,
 - integrated module (sediment-carbon-softening),
 - reverse osmosis,
 - double demineralization on a mixed ionex resin.
- Efficiency: ca 4 – 4,5 dm³/h.
- Demineralized water conductivity < 0,06 μ S/cm.
- Unattended and automated.
- Mobile water intake point - second purity class (ISO 3696:1999) – with a demi water nozzle (min. 2 m reach).
- Additional water intake point - first class (ISO 3696:1999 - with a 0,2 μ m microfiltration capsule) – option.
- Mobile, adjustable inox arm holding water collection points – available adjustment ranges: up/down, front/back, left/right.
- System equipped with a 10 dm³ pressure storage tank.
- Optional replacement with a bigger tank (40 dm³, 80 dm³).
- Automated system shutdown when the tank is full.
- Maintenance procedures may be performed by the user (easy replacement of disposables).
- Min. feed water pressure: 3 bar.
- Fed by cold water: 5-40°C.
- Power supply: 230V/50Hz.
- Can be installed by the user.
- Acid-proof stainless steel (inox) housing.

Dimensions (width x depth x height): 200x375x420 mm

Zbiornik 10 dm³: wys. 390 mm, średnica: 250 mm

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 purified water water (in μ S/cm or MOhm),
 - reading values compensated and uncompensated thermally,
 - timer displaying current date and time,
 - alarm informing about necessity to replace module A,
 - alarm informing about necessity to replace ionex resins,
 - maintenance deadlines preview,
 - built-in RS 232 connector for personal computers,
 - individual adjustment of maintenance frequency and alarm levels.
- Built-in manometer measuring feed water pressure.

Usage:

Obtained water may be used for instrumental analyses AAS, ICP/MS*, IC, HPLC*, GC, bacteria cultures*, biochemical analyses* and for general-purpose research.

**point with microfiltration cascade capsule 0,45/0,2 μ m*

Feed water parameters:

- Conductivity < 1200 μ S/cm
- Pressure > 3 bar
- Temperature: 5-40°C
- Hardness < 250 mg CaCO₃/dm³
- Fe < 0,2 mg/dm³

Required connections:

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



Models produced from April 2013 r.

model	Sediment prefilter 5 µm	Module A2	Module H7
HLP SMART	+	+	+
Lifetime	6 months*	6 months*	2000 dm ^{3**}
Catalogue no.	EO-005-10	EO-MA-12	EJ-2000-0

* Volume of the purified water depends on the quality of the feed water, the maximum amount of the dissolved salt in the feed water - 1200 mg/l.