

Cat. no: DH-0005-SP







Technical specification:

- The device works under tap water pressure.
- Fed by tap water.
- Water purification levels:
 - sediment pre-filter 5µm,
 - integrated module (sediment-carbon-softening),
 - reverse osmosis,
 - demineralization on a mixed ionex resin.
 - microfiltration cascade capsule 0,45/0,2µm.
- Efficiency min. 5-7 dm³/h.
- Equipped with a pump 24V increasing feed water pressure.
- Demineralized water conductivity < 0,06 µS/cm.
- Unattended and automated.
- Equipped with a pump 24V increasing feed water pressure.
- Two independ water intake points:
 - 1. Second purity class (PN-EN ISO 3696:1999, ASTM, CLSI) nozzle reach min. 2 m, equipped with a 10 dm³ pressure tank.
 - 2. First purity class (PN-EN ISO 3696:1999 with a 0,2µm microfiltration capsule).
- The possibility of installing additional water intake point for general-purpose water (third class (PN-EN ISO 3696:1999)).
- The possibility of installing additional water intake point with first class (PN-EN ISO 3696:1999 with a 0,2µm microfiltration capsule).
- Mobile, adjustable inox arm holding water collection points available adjustment ranges: up/down, front/back, left/right.
- Optional replacement with a bigger tank (40 dm³, 80 dm³ and more).
- Automated system shutdown when the tank is full.
- Optional connection to an autoclave, washer machine etc.
- Maintenance procedures may be performed by the user (easy replacement of disposables).
- Fed by cold water: 5-40°C.
- Power supply: 230V/50Hz.
- Can be installed by the user.
- Acid-proof stainless steel (inox) housing.

Dimensions (SxGxW): 235x470x510 mm

Tank 101: height: 390 mm, diameter: 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 (measured in µS/cm or MOhm),
- reading values compensated and uncompensated thermally,
- timer displaying current date and time,
- alarm informing about necessity to replace sediment filter and module A,
- alarm informing about necessity to replace ionex resins,
- alarm informing about necessity to replace microfiltration capsule,
- menu in English, Russian, Spanish or German,
- maintenance deadlines preview,
- built-in RS 232 connector for personal computers,
- individual adjustment of maintenance frequency and alarm levels.
- Software.
- Built-in manometer measuring feed water pressure.

Functions protecting the device:

- Pomp shutdown when:
 - feed water pressure is too low (lack of feed water) low pressure sensor,
 - the tank is full high pressure sensor.



Feed water parameters:

- Conductivity $< 1200 \,\mu$ S/cm
- Pressure > 3,0 bar
- Temperature: 5-40°C.
- Hardness < 250 mg CaCO $_3$ /dm 3
- $Fe < 0,2 mg/dm^3$

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 0,45/0,2µm

Required connections:

- cold tap water connection 1/2" lub 3/4",
- 230V socket,

- drain.

Models produced from April 2013 r.

model	Sediment	Module	Modules	MF capsule
	prefilter 5µm	A2	2x H7	0,2μm
HLP 5SP	+	+	+	+
Lifetime	6 m-cy*	6 m-cy*	2x2000 dm ^{3**}	6 m-cy*
Cataloge no.	EO-005-10	EO-MA-12	EJ-2000-0	EM-SP-20

* The life of a filter cartridge can be affected by the flow, it's characteristic as well as the level and type of the contamination.

** 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.

