



Eco Water „Mineral Water Doctor" (MWD) galvanic water treatment

Product description, user manual and warranty.

Thank you for choosing Energywater MWD for your water treatment requirements. We believe that by meeting all working parameters our product will provide you satisfactory operation for a long lifetime

PRODUCT USE AND OPERATION PRINCIPLE

Galvanic treatment - physical device Eco Water MWD is made of highest class pure hygienic materials and has been assessed as safe to come into contact with drinking water. Eco Water MWD is designed for treatment of drinking water as well as non-drinking industrial water in private and civil sector. Eco Water MWD eliminates formation of calcium deposits and helps solving problems due to Calcium Carbonate - Calcite present in water. So called limescale build-up is a process effected by the change of water temperature. furthermore Eco Water MWD gradually inhibits point corrosion of steel pipes, building up an inner layer with properties that slow reproduction of bacteria (for example. legionella type). Eco Water MWD technology is based on electrochemical change of mineral structure present in water. (chemical free and solvent free operation). Transformation process of Calcium Carbonate minerals by Eco Water MWD is driven by build in electrodes (wet galvanic cell principle), making the device energy self-sufficient. Eco Water MWD is able to transform the structure of calcium carbonate crystals in way that they are slowly washed out of the system Thank to this transformation-physical change, no elements are removed from treated water, water composition remains the same, keeping all original minerals and original sense properties.

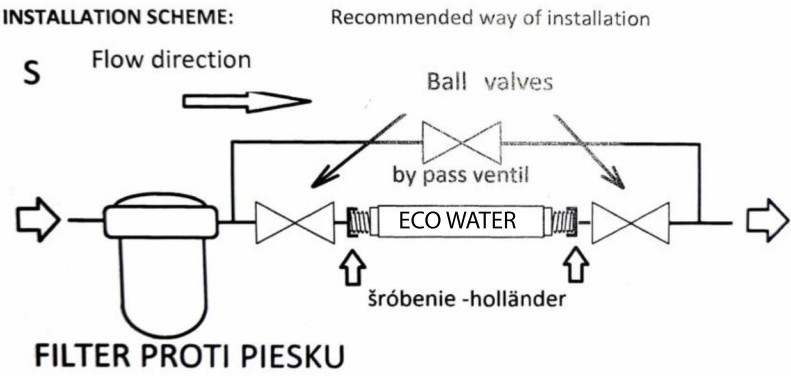


ADVANTANGES:

Eliminates scale build-up and extends the lifetime of pipeline network, water taps, sanitary equipment, heat exchangers with working temperature up to 95°C. Reduces costs for operation and maintenance of water heaters and boilers. Does not require external source of energy, energy for operation is supplied by natural principles. Long lifetime ranging 8-10 years (depending on Ph value, water hardness and amount of flown water).

TECHNICAL PARAMETERS: at water hardness up to 4,0 mmol/l

Models with male thread							
Model	Thread	Length - A mm	Width - B mm	Nominal flow rate		Lifetime	weight
				m³ / h	l / min	m³	kg
cold water (max. pressure: 10 bar = 1000 kPa = 1 Mpa; max. 45 °C) blue coluoring							
MWD Home	G½"	185	38	0,9	15	1200	0,41
MWD Home	G¾"	215	40	1,7	28	1500	0,54
MWD Home	G1"	270	45	3,5	58	3000	0,85



SAFETY MEASURES

- Eco Water MWD device must be installed and used under the conditions recommended by this manual, mainly operation flow and pressure parameters
- Device must be used for purposes only as described in PRODUCT USE AND OPERATION PRINCIPLE
- Installation of device should be performed by specialised personnel, trained and experienced for plumbing profession.
 - It is necessary to respect safety rules for pressurised water systems during the installation of the device.
 - Installation of the device within the drinking water pipeline must always respect country specific rules and regulations for such systems.
 - Water pressure, flow rate and temperature of system, where device is installed must not be above the maximum values defined in the TECHNICAL PARAMETERS table.
 - Device should be installed in between two valves and with bypass loop, enabling comfortable servicing and check, seeINSTALLATNION SCHEME.
- Device should be installed and tightened in such way that no external tensions and screw momentums are applied to the construction of the device.
- When treating water from wells and deep drilled wells, it is recommended to use proper filtration in order to prevent abrasive effect of sand and solid particles on inner parts of the device.
 - When used in public tap water networks, it is sufficient to use a gasket with sifter at the inlet of the device.

CAUTION: During the installation of device, pay attention to the cleanliness of connecting parts and make sure that threaded joints and fittings are tightened properly and that proper gaskets are used and in place. Use approved fitting materials, which are designed for contact with drinking water.

For desired effect of physical water treatment by Energywater" MWD device, water which was treated by the device must not come into contact with surfaces with higher temperature than 95°C. Surfaces with temperatures 95°C and higher are always subject to limescale formation due to minerals that always present in the water.

Eco Water MWD REACTOR:

- I)Components:
The reactor consists of chamber from rust free material, which is placed inside the device and of metallic electrodes made of materials and locked in the central part of the chamber in an optimal position. pure
- II) Position/flow direction
The direction ow water flow has no effect on the function of the device.
- III) Maintenance/cleaning
The interval of cleaning depends mainly on the number of particles carried out by water. It is recommended to do a check of the filter (upstream of the device) at least once a year. In pipeline networks with high presence of limescale or rust according to the actual need.

Name and address of the seller:	stamp, signature
Date of purchase:	

For successful warranty procedure, it is necessary to provide this document confirmed by seller and the proof of purchase (the bill for tax purposes).

In case of warranty issues, the device has to be presented without any damages to it's envelope or parts. In case the device damaged or with significant signs of damage and this damage was not caused by the manufacturer, warranty expires.

The seller or distributor are not responsible for any damages on property or health, which were caused by improper use or handling with Eco Water MWD device. Warranty period is 24 months from the date of purchase. In case of not fulfilling the installation and operation guidelines, warranty cannot be applied.

Made in SK