

MOUNTING INSTRUCTIONS EWO® ACTIV DN80 to DN125



APPLICATION

Der EWO® ACTIV DN80 – DN125 is the natural and chemical-free method for sustainable, standard-compliant heating and cooling water stabilization. A continuous and permanent function is given (requirement: regular anode replacement)

EWO® ACTIV must not be installed in systems with water-contacting aluminum materials, water-antifreeze mixture or corrosion protection inhibitors.

FUNCTIONALITY

EWO® ACTIV DN80 – DN125 works with:

- + Magnesium anode technology
- + Magnetic- and sludge separator
- + EWO® method

The magnesium anodes as the less noble material dissolves over time.

Thanks to the EWO® method, the heating water remains stable in the long term. The magnetic and sludge separator removes or separates corrosion residues or magnetically reactive parts from the heating water.

PRE-CONDITIONS FOR INSTALLATION

In the case of an existing system, an analysis of the existing heating water must be carried out before installation and any necessary measures must be implemented.

Local installation regulations, general guidelines and technical data must be noted.

The installation location must be frost-proof and ensure protection against chemicals, dyes, solvents, vapors and environmental influences.

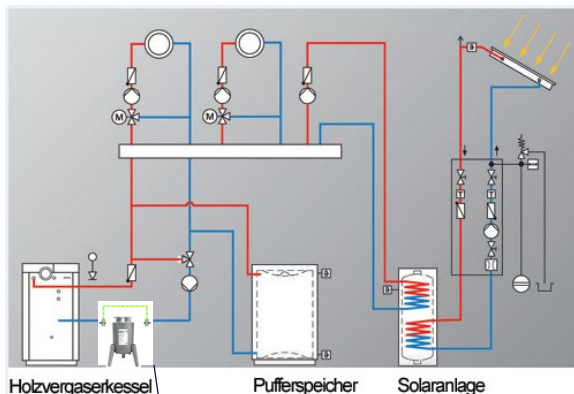
The EWO® ACTIV is not suitable for the separation of oils, greases, solvents, soaps, other lubricants and water-soluble substances.

The heating system must be flushed, filled and installed in accordance with Austrian Standard ÖNORM H5195-1. In Germany, the regulations of VDI 2035 and those based on the recommendation of DIN EN14336 apply analogously.

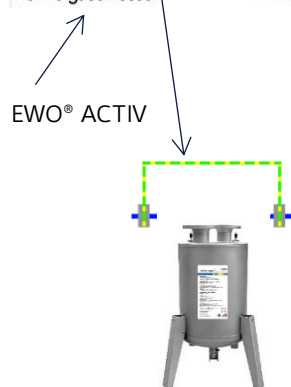
When using the EWO® ACTIV technology, no chemical additives, agents for increasing the pH value or chemical corrosion protection agents may be used.

MOUNTING INSTRUCTIONS

- ❑ Horizontal mounting between shut off devices in heating return (shut-off devices for anode exchange and cleaning of magnetic separator)
- ❑ Take sufficient space to exchange the anode and for cleaning the magnetic separator (see Technical Data "B")
- ❑ Use neutral junctions made of brass, red brass or stainless steel for device connection
- ❑ ACTIV has no certain flow direction
- ❑ Keep at least 50cm distance (linear distance) to electrical equipment, e.g. pumps (distance to electrical and electromagnetic fields)
- ❑ **It is imperative to install the enclosed electrical bridging (earthing clamps + cables) (see picture below)**



example



Note mounting procedure:

1. Mount EWO® ACTIV DN80 – DN125 in the heating return
2. Mount magnesium anodes
3. Remove cap nut at the anodes after installation and immediately screw enclosed color capsule (consumption display) hand tight (approx. 4-5Nm)
4. Screw magnetic rod (in the middle) hand tight
5. Mount discharge valve
6. Mount filler plug
7. **It is imperative to install the enclosed electrical bridging (earthing clamps + cables)**



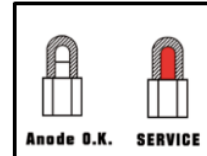
Install electrical bridging!!

Change of magnesium anode:

It is only necessary to replace the anode when the color capsule turns red.

Measure the pH-value in the heating water before replacing the anode.

If this is in the optimal range (9.5 – 10 for unalloyed steel), no anode replacement is required. Afterwards, the pH-value has to be checked every 2 years.



The magnesium anode corresponds to EU standard 12438.

Depending on water quality and operating conditions, the service life is approx. 2 years.

1. Close shut-off valves before and after EWO® ACTIV DN80 – DN125
2. Briefly open the drain valve to relieve the pressure
3. Unscrew the magnesium anode(s)
4. Screw in the new magnesium anode(s)
5. Refill the flushed out water
6. Open shut-off valves before and after EWO® ACTIV DN80 – DN125

TECHNICAL DATA

EWO® ACTIV DN80 – DN100				
Nominal width	DN	80	100	125
max. operating pressure	bar	10		
Operating temperature	°C	1 – 90		
Flow rate Δp 0,1bar	m ³ /h	41,4	73,6	103,4
Flow rate Δp 0,2bar	m ³ /h	59,3	105,4	143,8
Weight	kg	65	75	95
Anodes	pcs.	2	2	3
Magnetic separator	pcs	1		



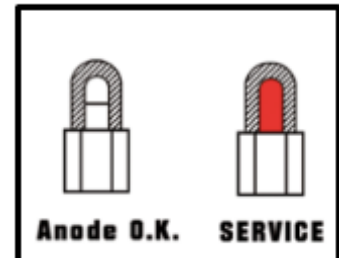
EWO® ACTIV DN80 – DN125		DN80/100	DN125
Total height	A	940	1.102
Installation height anode	B	530	530
Device height to the center of the pipe	C	940	1.102
Diameter / Depth	D	465	556
Installation width	E	270 mittig	350 mittig
Device body height	F	840	1.002
Diameter floor space requirement	G	680	879

OPERATION & MAINTENANCE**Duration magnesium-anode**

Depending on the water quality and operating conditions, the magnesium anode has a service life of approx. 2 years. An exchange is necessary if the color capsule (consumption indicator) turns completely red.

Magnetic- and sludge separator

Regular cleaning and rinsing is required (at least once a year) and can e.g. be carried out in the course of boiler maintenance.

**SCOPE OF DELIVERY**

- 1 EWO® ACTIV DN80 – DN125 with flange
- 2 magnesium anodes
- 1 magnetic separator
- 1 drain valve
- 1 electrical bridging (cable and clamps)
- 1 mounting instructions

WARRANTY

The latest version of the national statutory warranty provisions apply.

Contact:

Name: EWO Wassertechnik GmbH
Street: Anzing 48
ZIP-Code: 4113
City: St. Martin/Mühlkreis
State: Austria
Tel: +43 7232 2754-0
E-Mail: office@ewo-wasser.at

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