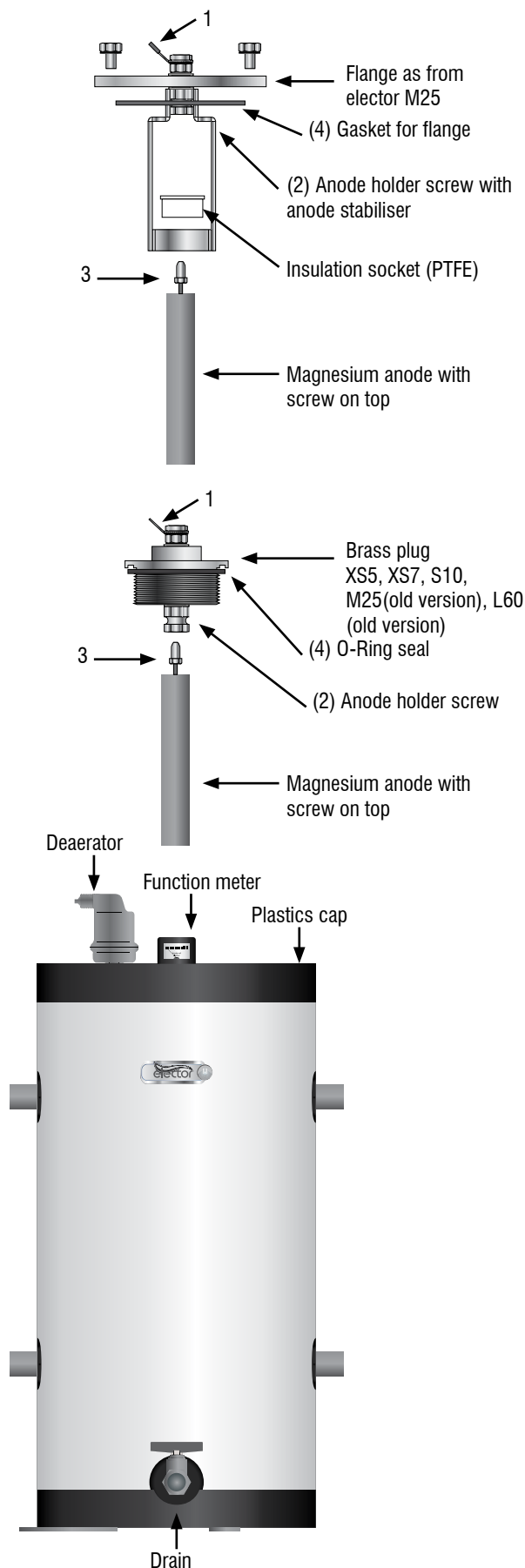


# Anode replacement for elector devices



## 1. Inspection of the elector for anode replacement

As soon as the function meter of the elector indicates „0“ during the heating period the anode needs to be inspected and possibly replaced. Proceed as follows:

- Close the in- and outlet of the elector
- Put a bucket to the drain of the elector
- Remove the deaerator (if detachable), open the drain valve and drain the elector
- Remove the plastics cap to the top
- Disconnect the orange plug contact
- Remove the insulation fleece and the electrical contact
- Depending on the elector version the housing is closed by a flange or a brass plug. Remove either the flange or the plug together with the old anode. Check the anode
  - a) If the anode is worn out you should install a new anode.
  - b) If the anode still looks good but the indicator has shown „0“ there might be an oxide or chemical layer on the anode surface blocking the flow of the electrons. Clean the anode with a wire brush to remove the layer on the anode surface. If the indicator does not show any reaction test the indicator with a 1.5 V battery on its function. Replace the indicator if it does not show any reaction while testing it with a battery.

## 2. Installation of a new anode

If the anode is completely used install a new one as follows:

- The anode is fixed at the anode stabiliser screw that goes either straight through the flange or the brass plug. **Do not remove the anode stabiliser screw.**
- Sometimes you cannot see the stabiliser screw due to heavy impurities. Clean the screw with a wire brush for full access to the construction.
- Fix the anode holder screw and release only the small screw on top of the anode.
- Replace the old anode with a new one and make sure that the small screw on top of the anode and the anode stabiliser screw have good electrical contact with each other.
- Make sure that the anode stabiliser screw is fixed tightly to the flange or the brass plug.
- Replace the flange gasket or the o-ring seal.
- Reinstall all electrical contacts, the insulation fleece and the cap.
- Refill the elector with water and open the in- and outlet of the device.