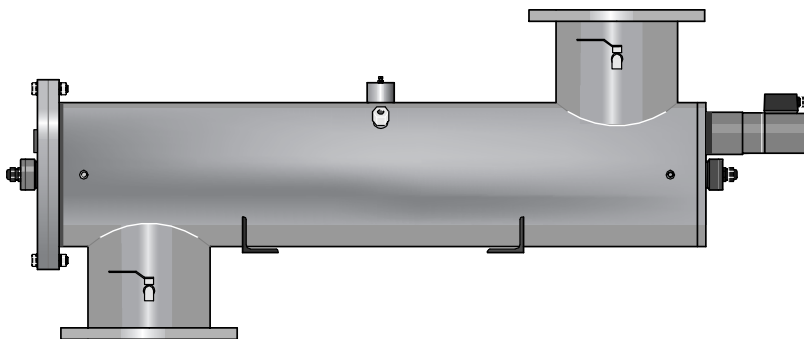


# Wartungsanleitung für automatischen Wischer der Dulcodes M UV-Anlagen Maintenance Operating Instructions for automatic wiper of Dulcodes M UV-plants



The wiper and wiper motor should be checked once a year. Any parts that are worn should be replaced.



## **WARNING**

- The drive spindle may be damaged if the drive nut is damaged or worn.
- The drive spindle may be damaged if the friction bearing is damaged or worn.

## **1 Opening the Radiation Chamber**

- ▶ Remove the lamp and protective tube according to operating instructions.
- ▶ Loosen the screws on the wiper motor and remove the wiper motor and gears. Ensure that the gears do not loosen and detach themselves from the motor.
- ▶ Turn the wiper spindle anticlockwise as far as it will go (between 3 and 10 revolutions) then turn it back clockwise (1 revolution).
- ▶ Loosen and remove the screws on the lid of the radiation chamber.
- ▶ Turn the lid clockwise carefully until you can feel resistance.
- ▶ Pull the lid forwards until the wiper spindle and auxiliary assembly tube are free. The lid can now be removed.
- ▶ Remove the wiper unit (wiper, support panel, drive nut, etc.) by turning the drive spindle forwards. Place the drive spindle carefully on the base.
- ▶ Check the wiper and drive nut and replace them if necessary (if the wiper is replaced, the drive nut must also be replaced).
- ▶ Check the friction bearing and replace if necessary.
- ▶ Check the drive spindle for damage.

## **2 Replacing the Wiper and Drive Nut**

- ▶ Loosen and remove the screws on the wiper. Remove the wiper. Push the new wiper onto the stud bolts with the wiper elements facing the mounting panel. Insert and tighten the screws using a washer and circlip.

## **NOTE**

**It must still be possible to move the wiper slightly after the screws have been tightened so that glass tube tolerances can be offset.**

- ▶ Loosen and remove the screws on the drive nut. Insert the longer side of the new drive nut into the mounting panel. Insert and tighten the screws.
- ▶ Push the wiper unit onto the auxiliary assembly tube and turn the drive spindle until the spindle thread comes out of the spindle nut.
- ▶ Place the wiper unit on the base.

## **3 Replacing the Friction Bearing**

- ▶ Loosen the screws and press the friction bearing out of the lid. Use a rubber hammer if necessary. Moisten the O-ring of the new friction bearing with soapy water and press the new friction bearing into the lid. Ensure that the holes in the friction bearing are in alignment with the threads in the lid. Screw the friction bearing tightly.

## **4 Closing the Radiation Chamber**

- ▶ Check the O-ring of the container lid for damage or malformation and replace it if necessary.
- ▶ Place the container lid on the mounting supports and tip it forward slightly.
- ▶ Turn the lid so that the drive spindle can be inserted into the friction bearing.
- ▶ Stand the lid upright and push it against the flange. Insert the auxiliary assembly tube into the opening for the protective tube and the drive spindle into the friction bearing.
- ▶ Turn the lid anticlockwise until the holes cover the screws in the lid and flange. Screw the lid on tightly.
- ▶ Assemble the protective tube and lamp as described in the operating instructions.