



Tip replacement instruction

Before mounting

- The AGS sensor must be connected during the operation. It must also be dismantled from the refiner because the tip is removed toward the front.
- Remove the protective cover from the new tip. Check that it is not damaged and that the front part is well-greased with PTFE-grease (must withstand at least 250°C).
- Check that the front glide ring is round, centered and not damaged. Otherwise it will be destroyed by the edge of the brass holder when the tip is pulled in.

Mounting

- Run the procedure "Tip replacement" from the Panel-PC and follow the instructions.
- The sensor tip is first moved out 18 mm from the house and holder.
- Remove the old tip by pulling the tip straight out. Use only manpower.
- Clean the front of the AGS:tube but don't scratch – this is a sealing surface. Grease the inside with silicon grease.
- Feed in the tip identification number into the PC.
- Mount the new tip into the tube. When it stops, push gently and at the same time, turn the tip until the connector polarization matches. Push another 5-6 mm until it clicks and after a couple of seconds the TDC measurement will start which is indicated by that the sensor alarm disappears.
- Continue with the guide according to the PC. The new tip is then drawn in about 18mm to the home position.
- The program will then perform a coarse calibration of the new tip.
- Then we will have an APO adjustment which means that the tip is withdrawn to a mechanical stop and the APO value is preset to -2.50 mm (-2.50 is an adjustable parameter). The tip is then moved to the home position.
- The sequence is now ready.

After mounting

- The user must then check the distance between the tip and the edge off the brass holder. This must be 23.00 (+0/-0.05) mm or 0.9055 (+0/-0.002) inch.
- Return the old tip to the supplier according to the "Return handling agreement".

For more information, see the "AGS-XXX-Description_Eng", "AGS-XP-XXX_Sve" and "GmsCeAgsCDManual_Eng" or "GmsCeAgsSDManual_Eng" manuals.

Wear limit indicator

It is extremely important that the tip is not worn passed the wear limit indicator, see the picture.

A wear beyond the limit can result in a plate crash and also affect the security of the refiner in other ways. The tip should be replaced at every plate change to secure the sensor tip life time and to refresh the sealing's into the AGS tube and house.

Bad sealing may result in leakage of process fluids into the AGS house or a stuck tip which will prevent production calibration.

