

Service Provider Requirements

Addendum to the SERVICE guide and Maintenance Requirements of the Totem CHP Valid as of 20th May 2021

This part of the addendum to the service manual makes clear the maintenance tasks to be performed while servicing the CHP and regarding the installation.

- Check flue is bracketed properly and vibration downstream of flex is minimal
- Check and replace flexible gas hose every 5 years
- Check back pressure on flue from appliance test point
- Leak check around all flue joints for CO/CO₂
- Check all traps are full of water
- Calibrate gas sniffer

This part of the addendum to the service manual makes clear the added maintenance tasks to be performed while servicing the CHP due to the potential for cracking of the exhaust manifold.

Section 1: Routing replacement of the manifold

A risk of the exhaust manifold assembly cracking has been identified on the Totem CHP. The cause and pattern of the fault has been investigated, a risk management plan has been prepared, and the Health and Safety Executive (HSE) has been informed. During the process it was identified that a change or addition to maintenance tasks was required, as detailed below. For full details on how to carry out these tasks, please contact Advenco.

The added tasks for the service provider are:

- Calibrate CO detector yearly – replace sensor/unit when unserviceable
- Replace old style exhaust manifold every 2500 run hours during routine maintenance (T20 and T25 only) until water cooled manifold is installed
- Remove exhaust manifold/flex insulation jacket and check for CO around all components each visit
- Confirm CO detector shuts down appliance on alarm and fault
- Note start/stop ratio and average run time since previous service, investigate if less than 2 hours per start



Section 2: Installation of new water cooled manifold

Further review has resulted in a redesign of the exhaust system using a water cooled manifold. This modification reduces the thermal stresses experienced by the manifold and has been independently reviewed and approved by Kiwa and accepted by the HSE. This manifold requires a change to maintenance procedures as outlined below. For full details on how to carry out these tasks, please contact Adveco.

The added maintenance tasks for the service provider are:

- Calibrate CO detector yearly – replace sensor/unit when unserviceable
- Check for CO around all components each visit
- Confirm CO detector shuts down appliance on alarm and fault
- Note start/stop ratio and average run time since previous service, investigate if less than 2 hours per start