



Technical Bulletin

Replace Compac KG80 Meter with New Design KG80 Meter

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Scope

This Service Bulletin applies to the replacement of all old style KG80 Meters installed in dispensers manufactured until August 2014.

Issue

A new model KG80 Meter has been developed and supersedes the previous models. The new meter is slightly larger and will not fit on the existing bracket.

Solution

A replacement meter kit has been developed which includes a bracket and associated mounting hardware.

Tools required

Typical service tool kit of screwdrivers, nut drivers, spanners etc.

Multimeter or electrical test equipment.

Drill and drill bits. Use a hand drill or intrinsically safe electric drill.

A hand-held rivet gun capable of fastening 3/16" stainless steel pop rivets

Safety

Wear appropriate PPE and follow all safety protocols for the site and procedures set out in the service manual. If in doubt, check with site management before starting any procedures.

Procedure

Caution: You must isolate the unit from the mains power supply before starting this procedure.

Caution: You must isolate the unit from the gas supply and degas the unit following the procedures in the CNG Service Manual.

Note: Cleanliness is essential, ensure that no dust, debris or water enters the meter or pipework during the procedure. Any contamination can seriously damage the equipment and cause dispensing problems.

Note: Please follow the instructions in order. Fastening the new mounting bracket to the chassis before connecting the pipework will result in difficulty in connecting the pipework.

- 1) Open the cabinet. Double check there is no power to the cabinet.
- 2) If the meter and bracket does not come as an assembly, fasten the new meter to the bracket with the supplied screws. The back of the meter faces the upstand.
- 3) Remove the cover from the C4000 processor box and unplug the old meter cables taking note of where they came from.
- 4) Loosen the gas pipes to the KG meter.
- 5) Carefully drill out the four 3/16" rivets that hold the KG80 mounting plate to the dispenser chassis. Remove all swarf from the cabinet.
- 6) Undo the gas pipes and remove the meter and bracket from the cabinet.
- 7) Place the new meter in the cabinet and attach the gas pipes.
- 8) Plug the new meter cable into the plugs on the C4000 board matching the position of the old plugs. Replace the cover on the C4000 board.
- 9) Using the supplied rivets, fasten the meter bracket to the chassis.



Installed meter prior to fastening to chassis.

- 10) Repower and ragas the unit and check for leaks. Check for correct operation.
- 11) Calibrate the new meter following the procedures in the service manual.
- 12) Recycle or dispose of the old KG80 meter in accordance with local regulations.