

Doc. No.	68100017
Subject:	Kit LP2 Elec. Carb Pump Replacement – Part No.: 06000035
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Dear Valued Customer,

This is a procedure to replace an electrical carbonation pump on a LP2 Chiller.

TOOLS & MATERIALS REQUIRED

- PPE - Gloves, safety glasses
- Electrical Tester
- PH2 Screwdriver
- Oetiker Pliers & Clamps
- Thread Tape
- Spanner
- 83000639 – KIT LP2 Elec. Pump Flojet Ground

1. Isolate – Disconnect the LP2 Chiller from..

- Electrical supply
- Water supply
- CO₂ supplies.

2. Purge – Activate water & Soda button on a bargun or a tower to release the water pressure in the supply line.

3. Remove Lid for access

- a. Remove three (3) screws securing the lid with PH2 screw driver.
- b. Remove the lid from the unit to access internal of the LP2.

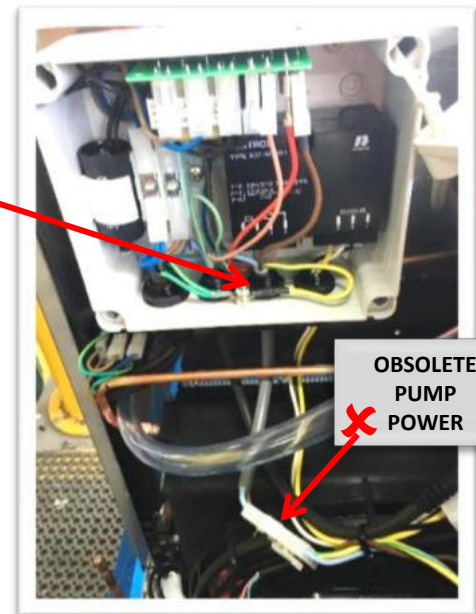
4. Disconnect the Pump –


Disconnect the FLOJET pump from the electrical box.

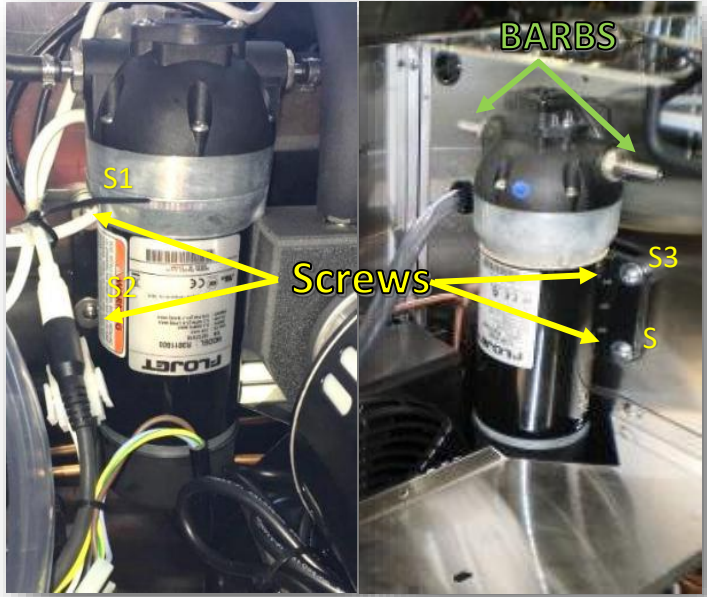
NOTE: Keep the cable gland, as this will be required for the install of the new harness extension cable at **STEP 11**.

5. Disconnect water lines: Remove Oetiker clamps and water lines from barbed fittings on inlet and outlet sides of the Flojet pump.

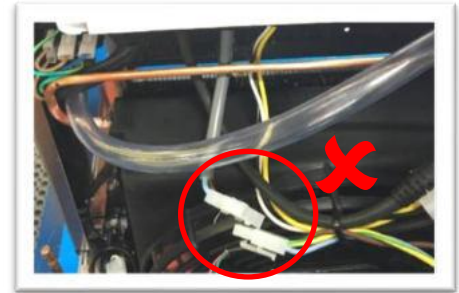
- Keep barbed fittings to reuse on the replacement pump, with new thread tape and Oetiker clamps (CS118).



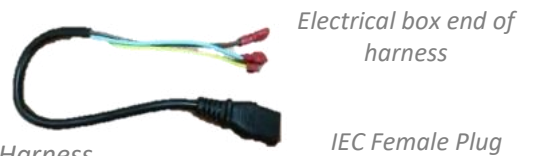
6. Remove 4x screws securing the FLOJET pump to the divider panel of chiller.
 - Keep the screws for reuse
 - Remove the old pump.
7. Fit the barbs from the old pump with thread tap to the new pump.
HL: 79608024 Fitting SS 3/8 NPTx6mm barb
8. Install the new Flojet pump & secure with existing screws into the original location.
9. Re-connect water lines, and secure with CS118 Oetiker clamps. 



10. Reconnect the Flojet pump IEC plug (male) to the extension harness IEC plug (female). Then skip to **STEP 13**
OR
IF there is no extension harness, or it is fitted with the obsolete white plug, please fit the new IEC extension harness as per the following **STEPS 11 & 12**.



11. Pass the harness, provided in this kit, though the existing cable gland, in the electrical box. (3rd from RHS of electrical box)

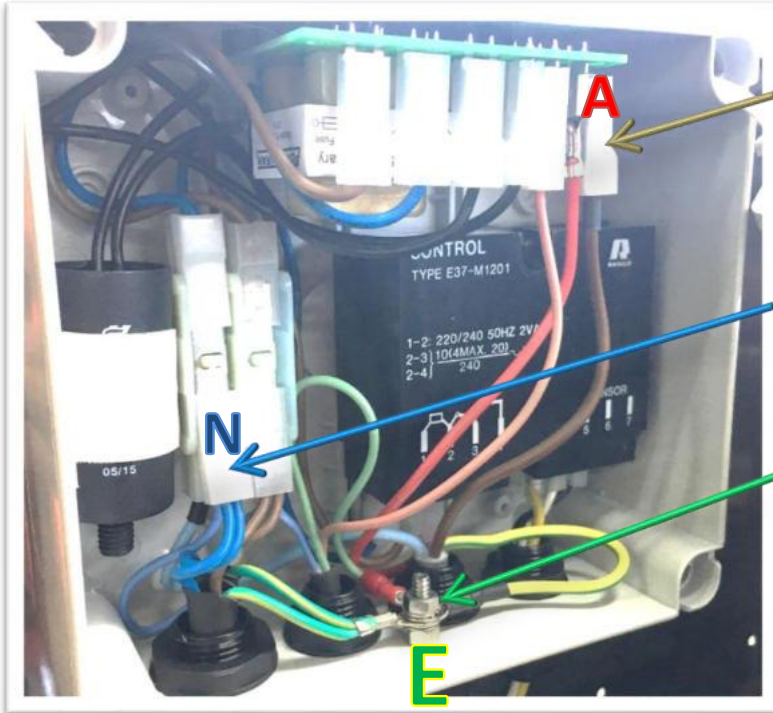


Extension Harness
Part No.: 83000502

Electrical box end of harness

IEC Female Plug

12. Connect the extension harness wires inside electrical box as follows:



Active (**brown wire**) to terminal X1 (RH terminal on agi. speed control PCB)

Neutral (**blue wire**) to Neutral side of main terminal block

Earth wire (**Green/yellow**) to earth stud in terminal box

... Connect the pump to the IEC plug.

13. With the new pump installed and electrically connected, please follow the instructions for installing the earth bond from the Flojet Pump to the LP2 unit casing.

Instructions & Parts are included see documents included...

KIT Elec Pump Flojet Ground – Part No:83000639



14. **Conduct Electrical safety inspection and testing** (Test & Tag) on the LP2 chiller, then...

15. **Restore** – the LP2 Chiller back to...

- Electrical supply
- Water supply
- CO2 supply

16. **Check for leaks**, confirm correct operation and then replace the lid.

Regards
The Hoshizaki Lancer Team