**Updating a d-flux device running on firmware version 1.0.4 (and older versions) requires a patch file. If the device is already running a more recent firmware version this is not required.**

Patch is not required for devices running firmware versions 1.0.5, 1.0.6 and more recent. Also check serial number of your device: Serial numbers greater than 2023010000 do not need patching.

**Note:** During the update process the unit needs to go off-line and needs to be restarted (Power cycle). The unit will be non-operational during the update. Make sure you do not disturb your process. The process takes total about 5 minutes.

This update of firmware will not change any of your settings in the d-flux.

**Required tools and equipment:**

To implement the new firmware you need:

1. Windows PC (With USB-C) with the firmware update program already downloaded and extracted (Download ZIP file from our website). Once you downloaded the firmware update, you do not need an internet connection during the update process.
2. A RS485 (2-wire) to USB adapter and suitable cables (Vogtlin kit PN 328-2112, see our website)
3. Physical access to the d-9 connector d·flux meter/controller. The d-flux needs to be powered up (If needed, obtain a separate power supply for the M8 connector from the Vogtlin website). Gas supply does not have to be disconnected during the process, but is is recommended.

To update a device running on firmware version 1.0.4 perform the following steps:

1. Power-up the device and connect it to your PC (do not start bootloader/service mode).
2. Execute the Patch Tool (“dflux\_patch\_104.exe”) and provide it with the requested informations. It will readout your device and create a patch file for it upon successful completion.
3. Unzip the Service Tool into the same folder where the patch file is located.
4. Restart the device in bootloader/service mode. To do this, power-cycle the device and keep the pushbutton pressed while all 3 LEDs are ON. Release the button as soon as the blue/white LED is switched OFF.
5. Execute the Service Tool and update the device firmware. The patch file is applied during the update process. When complete power-cycle the device to startup with new firmware.

After patch has been applied once the device does not need special handling anymore.