

## PV100 Software Updates

The three ABS files (APPL\_S.ABS, APPL\_B.ABS and FPGA.ABS) contained in this zip file must be updated to the system at the same time.

### Update Application Software

To update the PV100 application software follow the steps below:

1. Copy all ABS files onto a USB key (thumb drive) and insert the key into the USB Socket on the door located over the display.
2. Set the terminal to enter the "Terminal Setup/Test" menu.
  - a. Open the door and set DIP 1 of SW2 (bottom left corner of main board) to "ON."
  - b. With no active pumps, cycle power on the system (or hold reset button for 7 secs).
3. After the system reboots it will enter the "Terminal Setup/Test" menu.
4. Select menu option 9, "Software Update" (press '9' and "Enter").
5. Select menu option 1, "Update Application" (press '1' and the "Enter").

This is a 2 step process that will update the FIT software (version 2) and then the FSC software (version 3) in the PV100. This will take about 6 minutes.

The screen will show the old revision of the version 2 software on the left and will then find the file on the USB key just inserted. The new revision will be displayed. Version 3 will then update the same way, displaying the old revision and then showing the new version.

When this process completes, the message at the bottom of the screen will read: "S+B Programmed Successfully!"

### Update FPGA

1. Return to the Main Menu.
2. Select menu option 9, "Software Update" (press '9' and "Enter").
3. Select menu option 2, "Update FPGA" (press '2' and the "Enter").
4. Wait for the update to complete. When you see a message that asks if you want to update again, ignore it.

Once the updates have completed, remove the USB key, set Dip 1 to OFF, cycle power and lock the door.