

MAXO 0-10vdc setup with External Off / wired 0-10v AI1 and External Off wired DI1.

STEP 1

Settings – START WITH FACTORY SETTINGS – *Set Auto control* – *Setting Assistant* – Basic Control mode – Speed n

STEP 2

Settings – External Interfaces – Control Input DI1 Function Current External OFF – External OFF - Analog Input AI1 – Set Analog Input – Setpoint Controller – 2-10V (or whatever signal) – Use specifications

STEP 3

Settings – Set Auto Control – Setpoint Speed – **Keith's CRAZY BUTTON** () - Setpoint of external source – Analog Input 1



When you start with a clean screen – after a reset to Factory Settings – and you go through these steps, you should get the blue light that tells you you're successful.

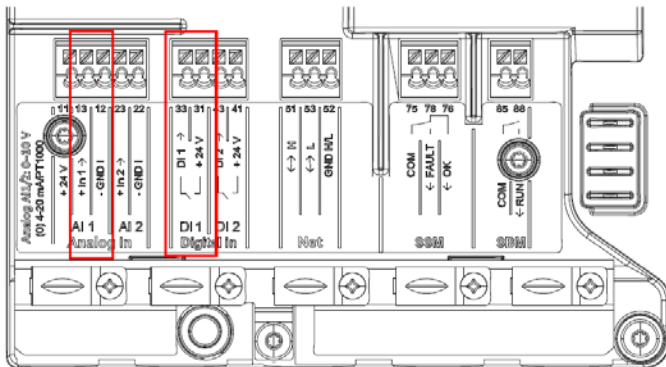
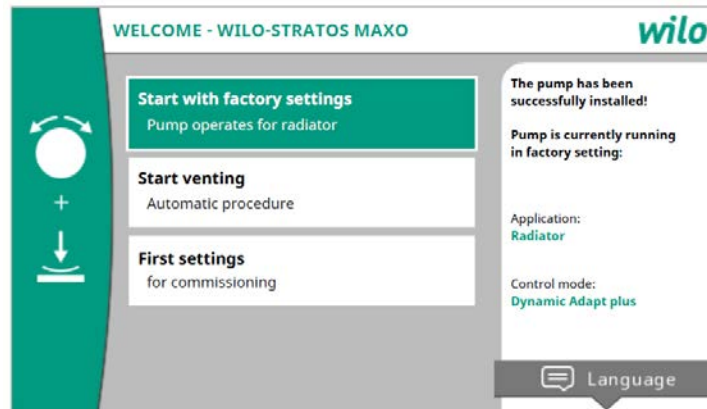
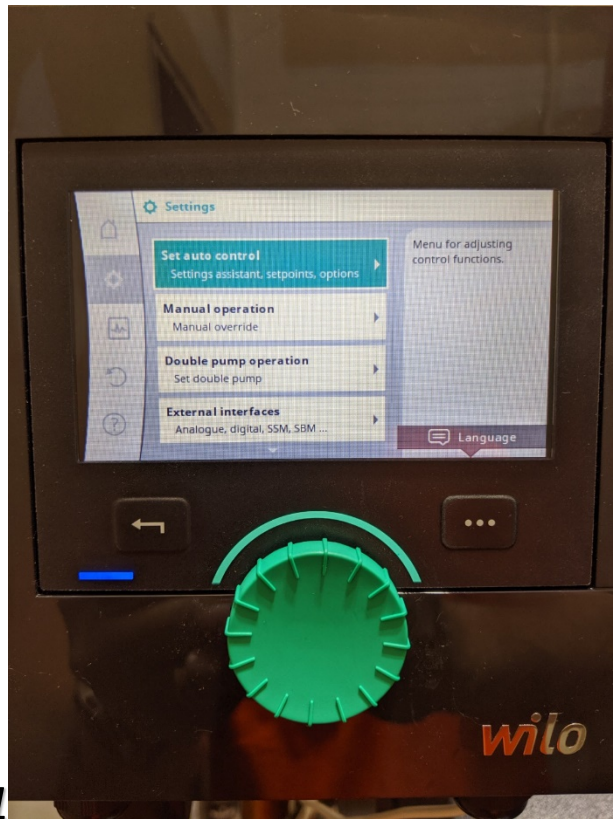
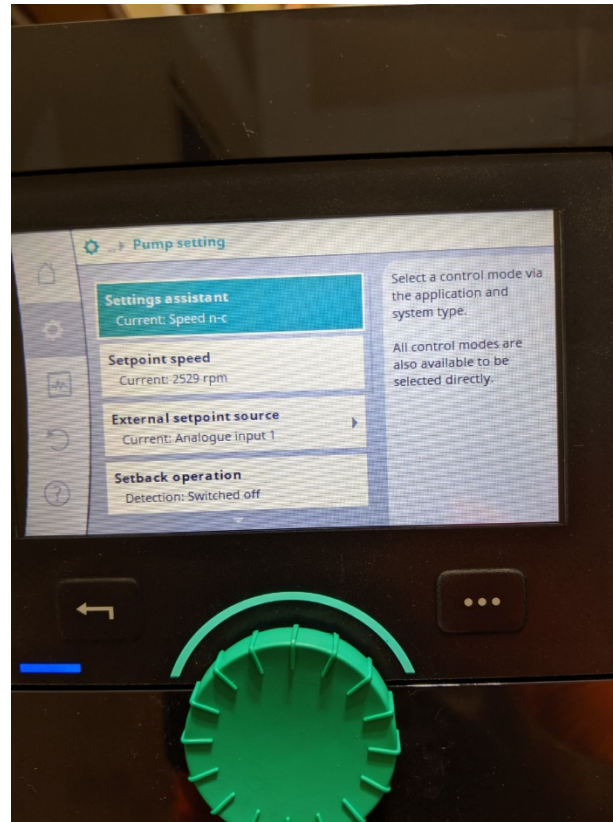


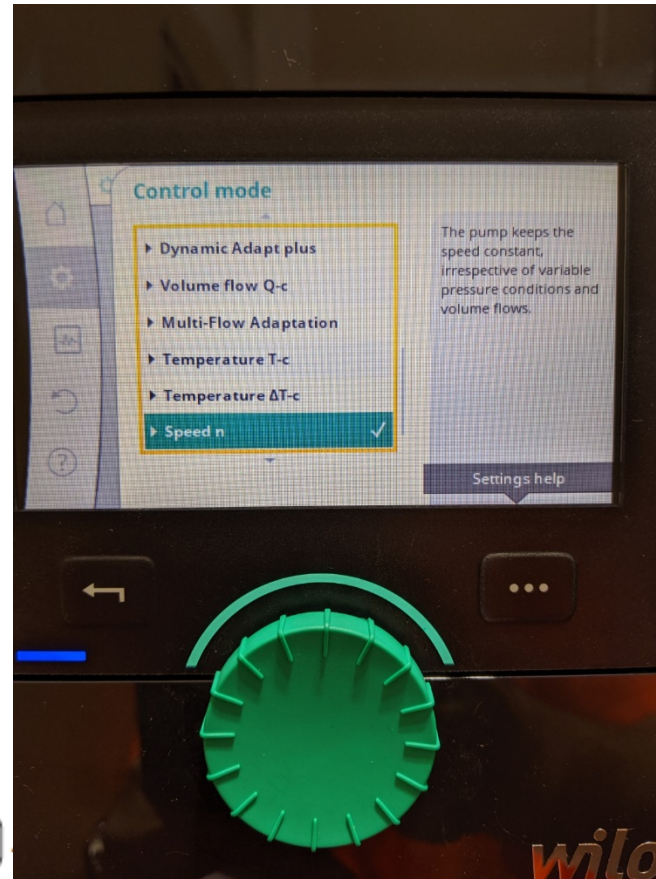
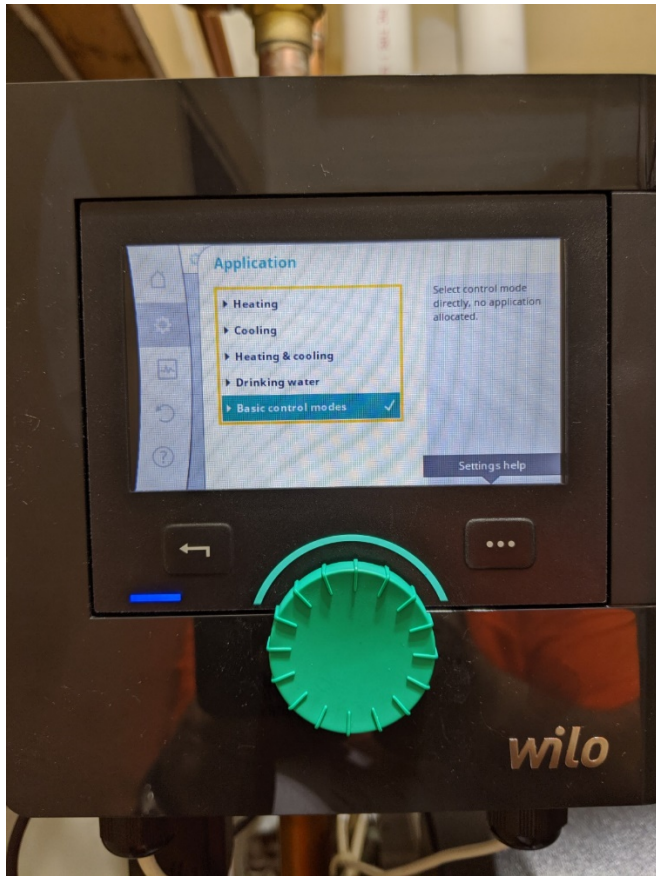
Fig. 32: Communication interfaces



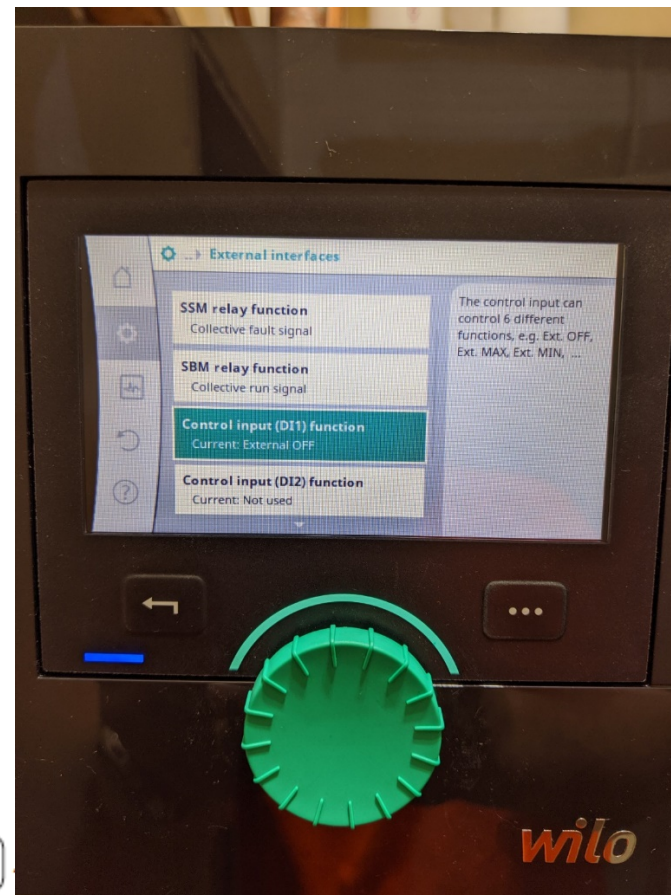
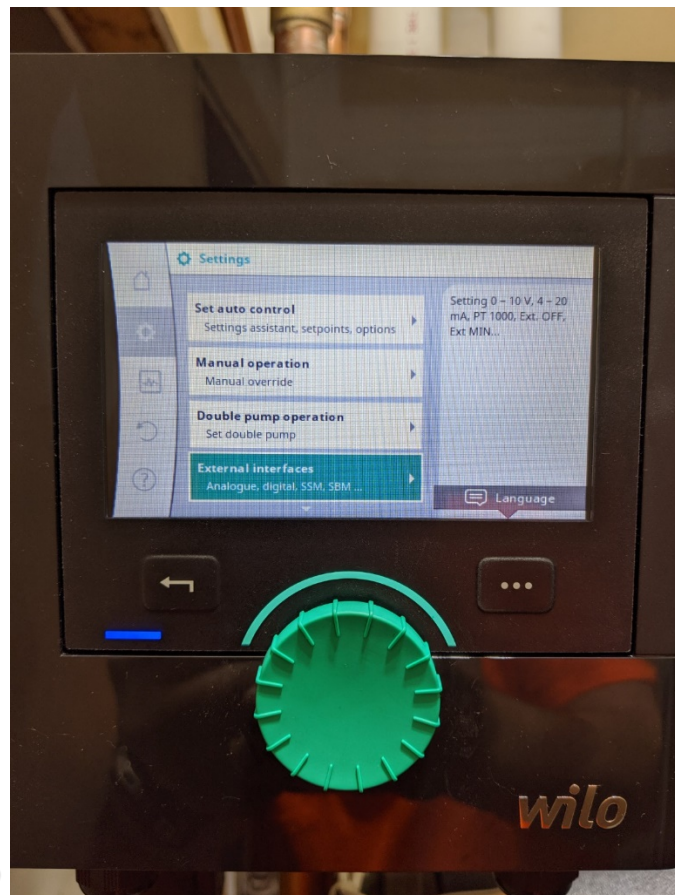


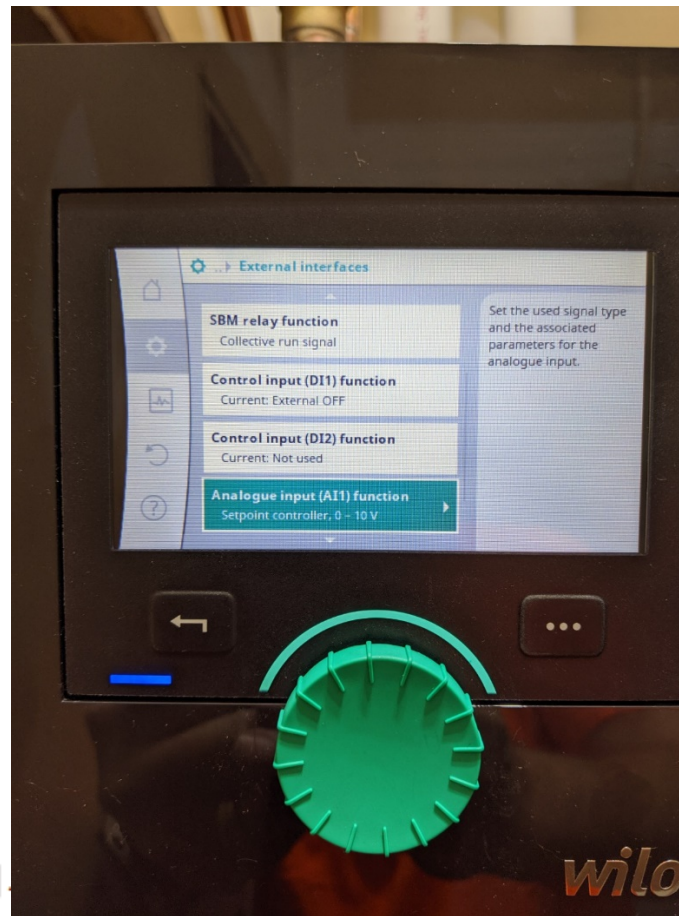
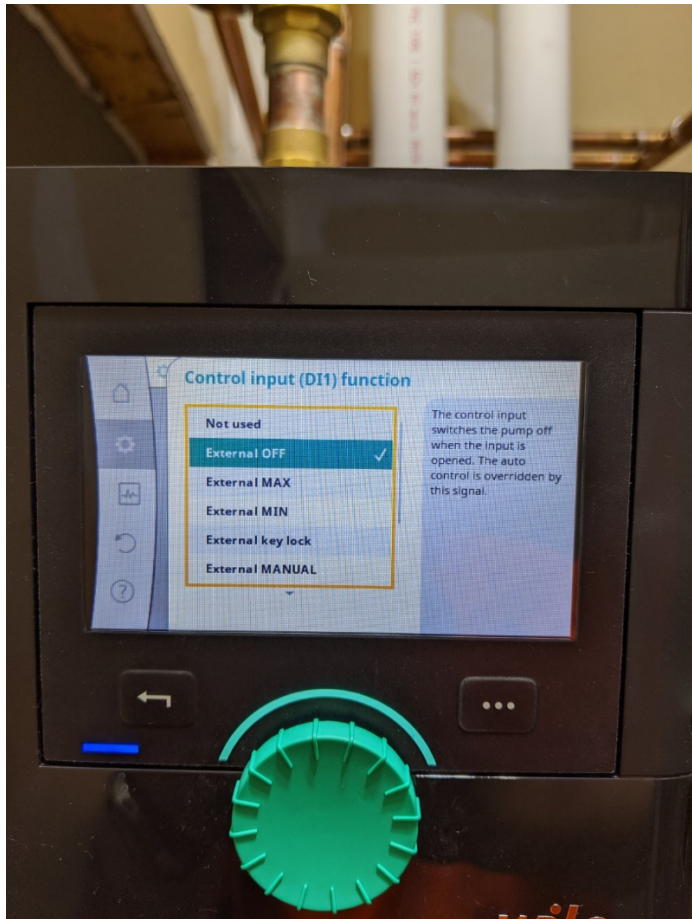
STEP 1

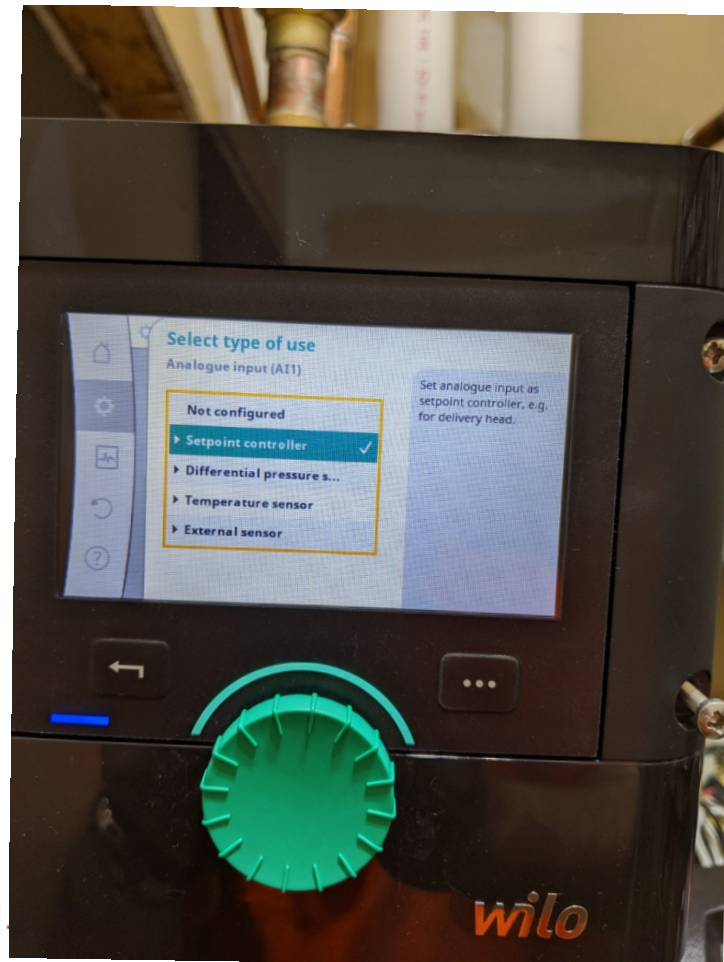
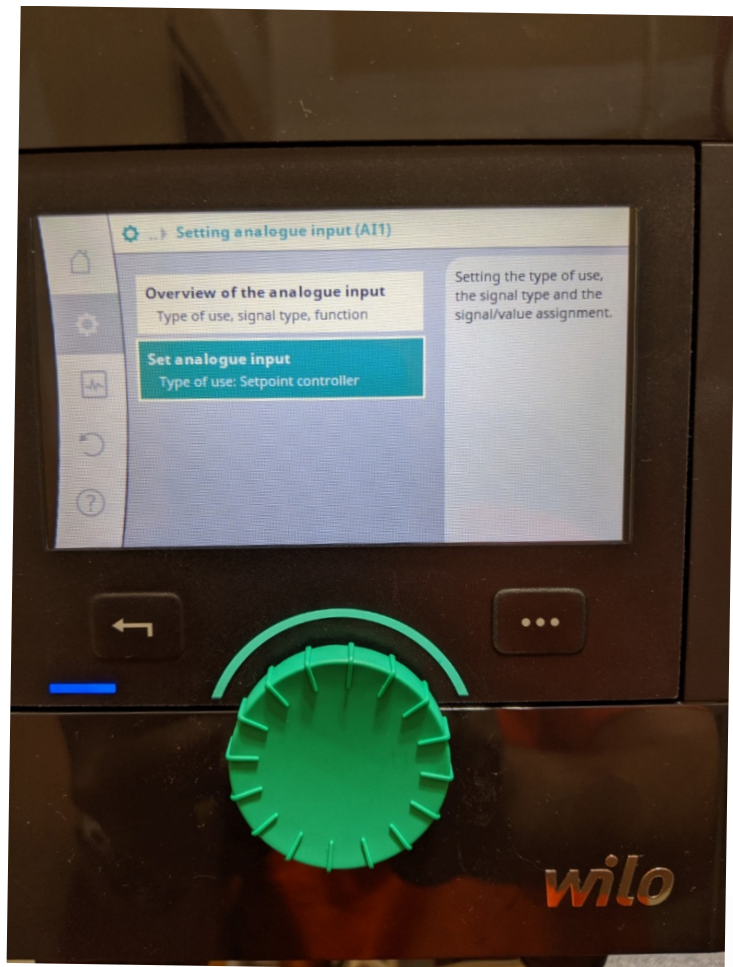


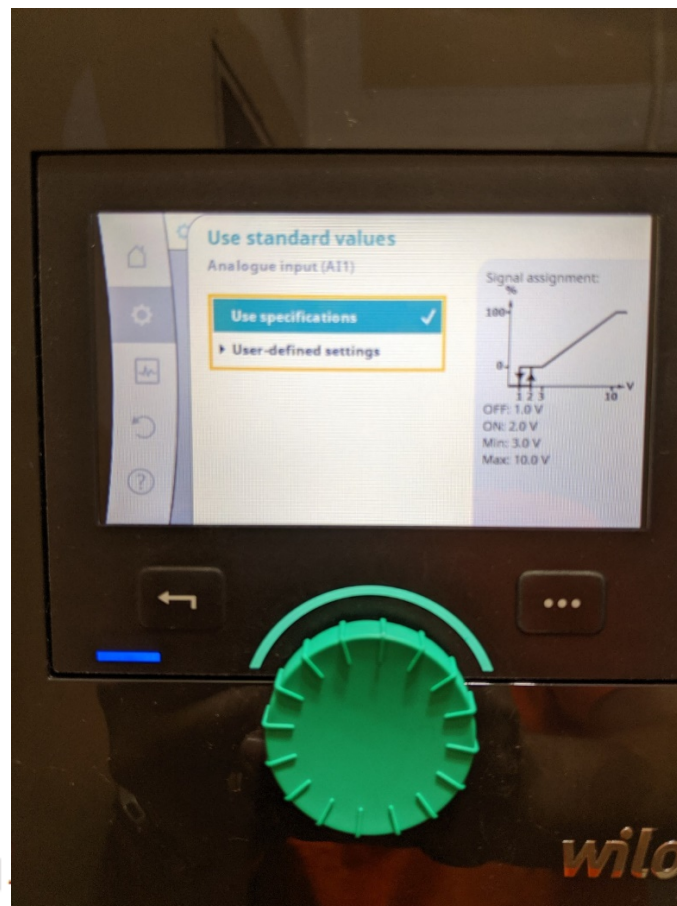
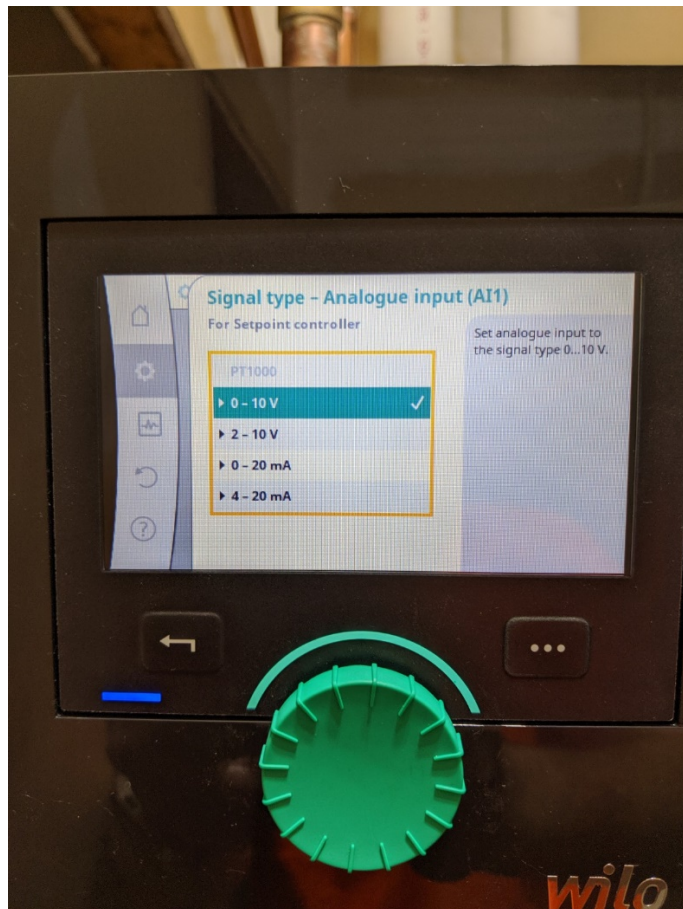


STEP 2

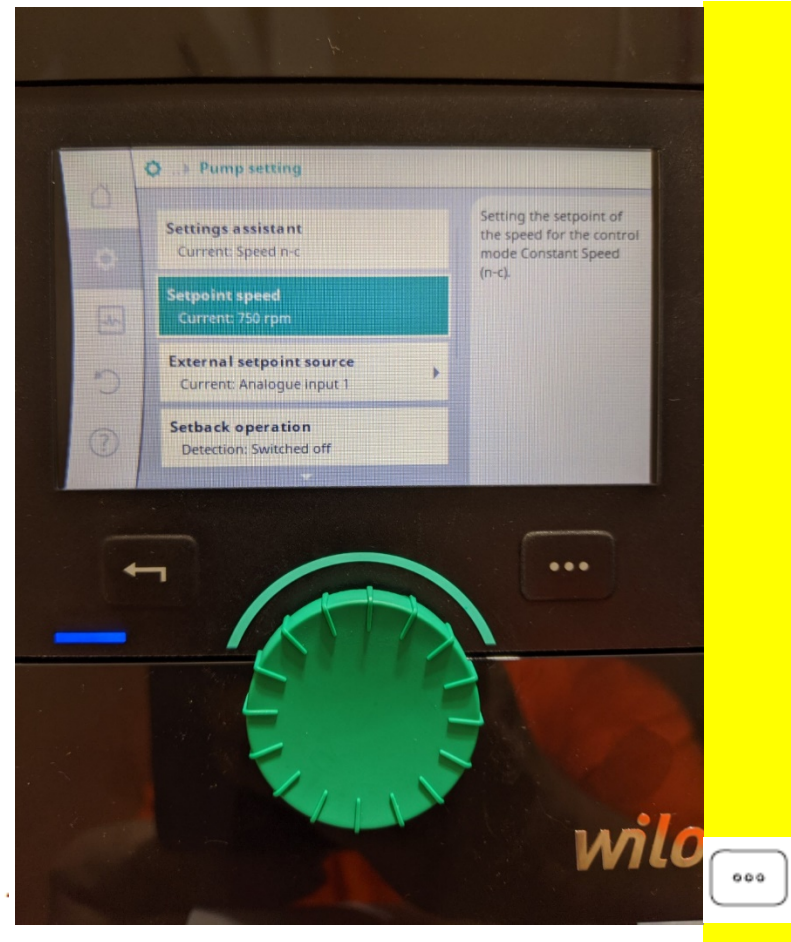
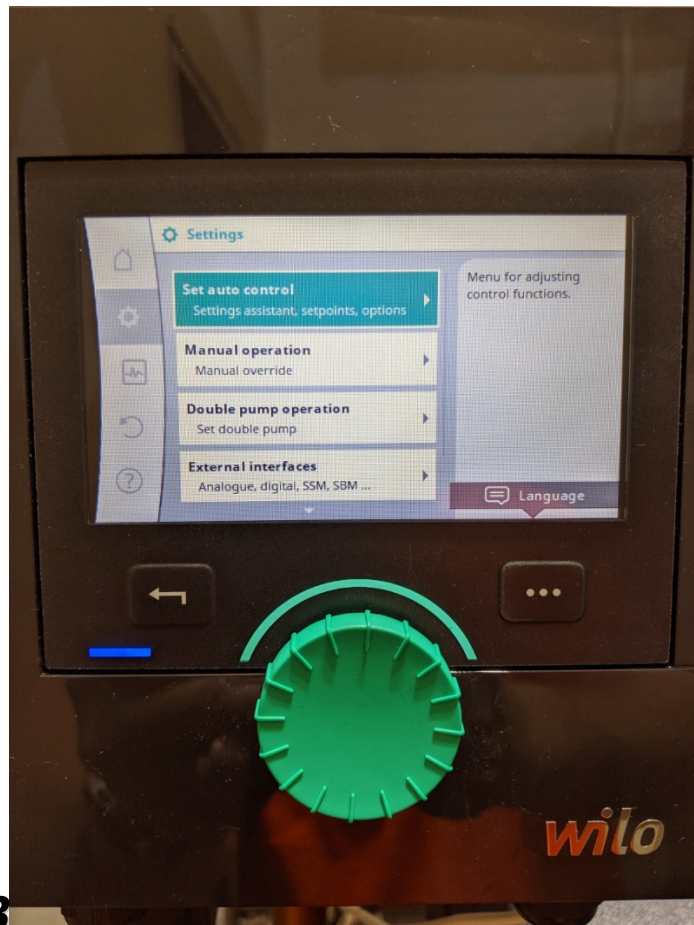


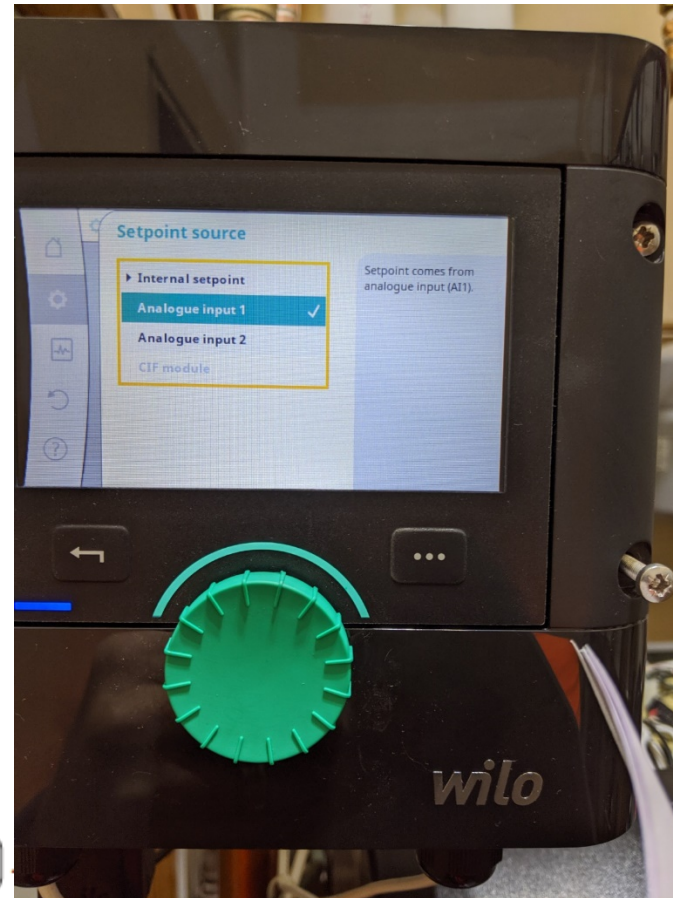
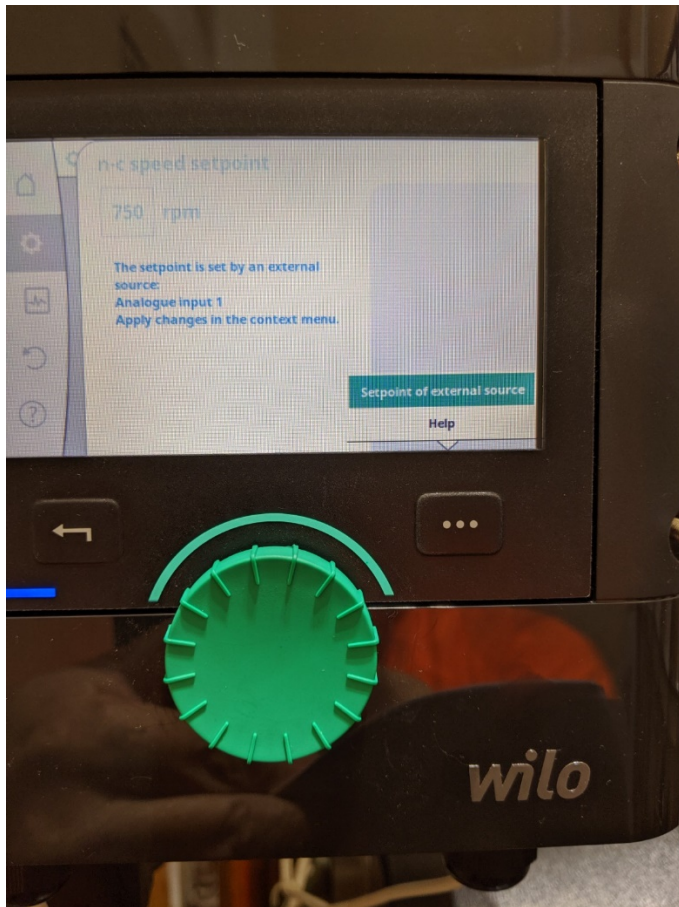


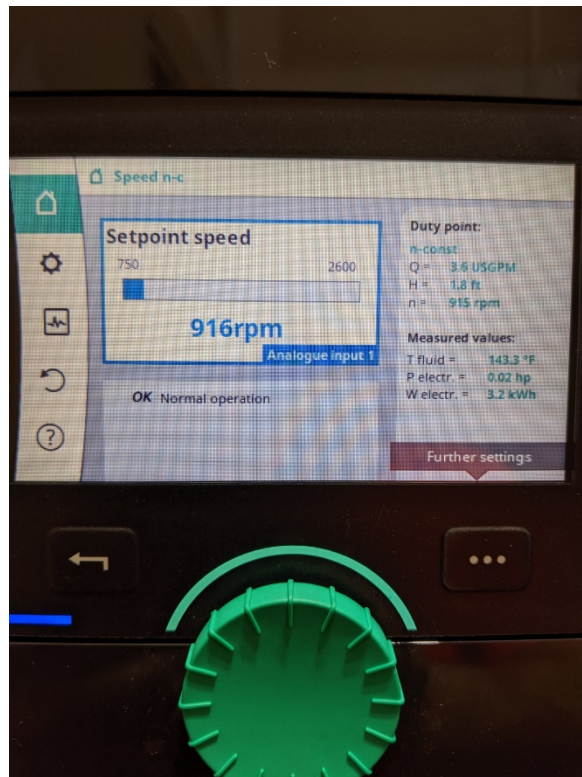




STEP 3





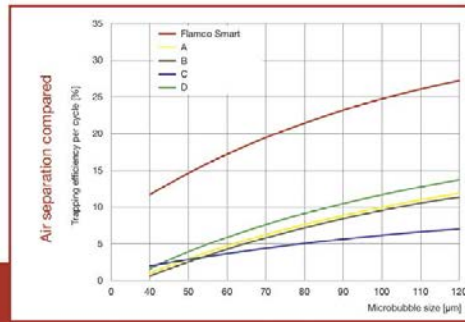
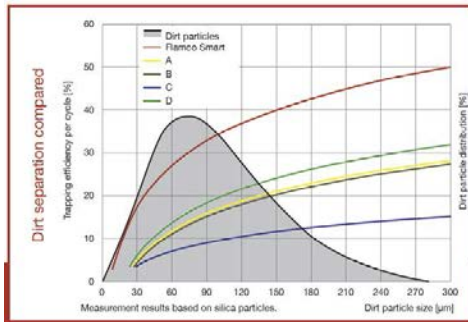


= going back to settings screen

Some things to consider when looking at Premium Efficiency Boilers and ECM/DC pumps.

Water quality with Air Dirt and Magnet single pass efficiency over the entire flow range of the system, see chart below.

Balance the pH, hardness and treatment for years to come with Fernox. If you use glycol avoid phosphates.



FERNOX
MAKES WATER WORK

| | |
|---|--|
| Appearance | 0 (2 max.)/ Turbidity <100 NTUs |
| pH | 6.8 - 8.4 |
| Conductivity uS/cm | More than mains water |
| Chloride ppm | Less than 100 ppm |
| Excess Chloride ppm | Less than 50 ppm |
| Total hardness as CaCO ₃ ppm | 50 to 120 ppm= 2-7 grains hardness |
| Hardness deposition % | Less than 30% |
| M - alkalinity as CaCO ₃ ppm | 300 ppm > mains |
| Sodium ppm | less than 120 ppm |
| Potassium ppm | Less than 60 ppm |
| Aluminium ppm | Less than 3 ppm |
| Iron ppm | Less than 50 ppm |
| Copper ppm | Less than 3 ppm |
| Phosphorous ppm | 60 ppm or less and no Nitrates or Nitrites |
| Boron ppm | at least 5 ppm |
| Molybdenum ppm | at least 20 ppm |

I have added performance critical measures in bold type. Use of inhibitor at the manufacturer's recommended level is also performance critical, but the formulations vary. Conductivity, M-alkalinity, sodium, potassium, phosphorous, boron, molybdenum and other inhibitor measures will depend mainly on treatment levels Fernox uses no Phosphates, Nitrates, Nitrites or Potassium. System should be checked for inhibitor levels one time with Fernox Protector test kit.