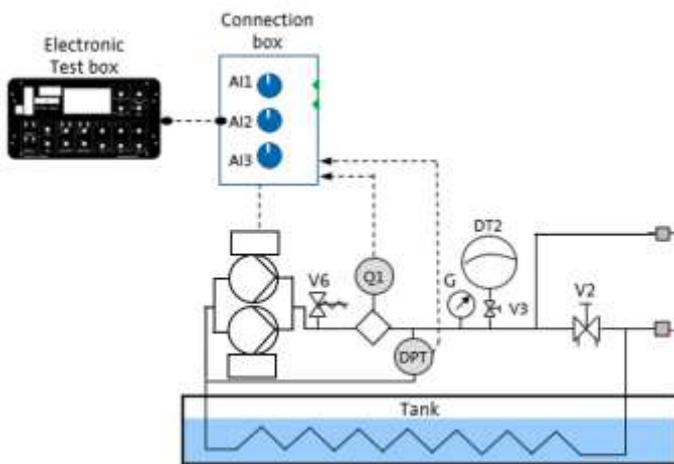


I-SOLUTION 多台恆溫/流量控制

The TPE3 D demo is a closed loop circuit with a kind of radiator, which is cooled via water in the main tank. The circuit is controlled by the commissioning valve V2 and the demo can be used to simulate all control modes present for the TPE3 pump, apart from temperature control, either via the Δp /temp. sensor integrated in the pump housing or via the external Δp sensor (DPT) installed in the system. Furthermore, we can also use the Test Box to stimulate external sensors. The demo can of course also be used to simulate the multi pump function.



The demo consists of the following components

- Pump: TPE3 D 32-180-S, with 0.55 kW MGE incl. display and FM300 board
- Q1: Flow transmitter, 0.0 – 25 m³/h, 4-20 mA, connected to AI2
- DPT: Differential Pressure Transmitter, 0-2.5 bar, 4-20 mA, XLR connector
- DT2: Expansion tank, Tank: Fam Baby Star Cat.1, 2 liter
- V2: Commissioning valve with setting scale
- V3: Shut-off valve for diaphragm tank (not present)
- V6: Pressure relief valve
- G: Pressure gauge

The flow transmitter Q1 is connected directly to the connection box, the differential pressure transmitter DPT can be connected via the XLR connector. The connection box is connected to pump head 1. Pump head 2 don't have any external sensors connected.