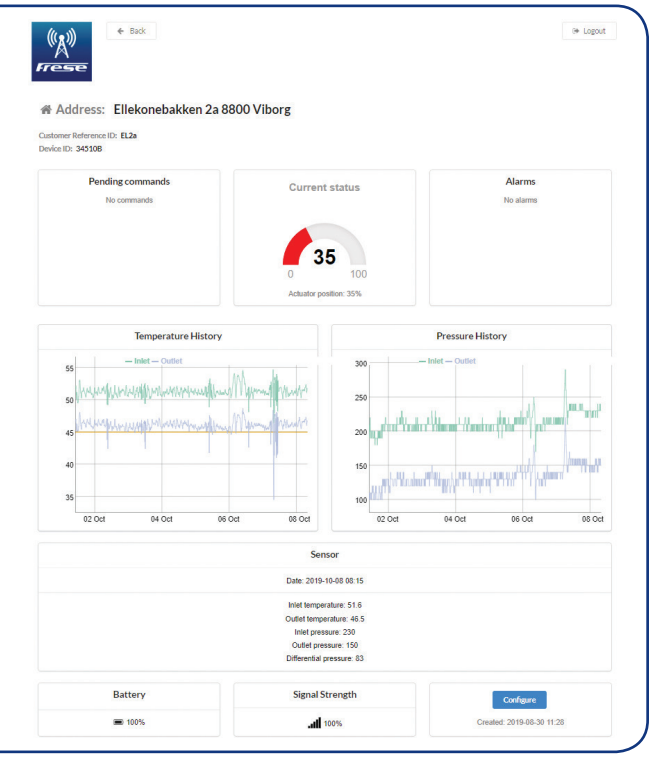
District Energy



Frese FLOWCLOUD®

Frese BYPASS

Remote Flow Control as a Service

- Would you like to reduce the heat loss in your district energy netork ?
- Would you like to receive pressure and temperature data from your district energy network?
- Would you like to avoid costly supply and signal installations?
- Would you like a bypass solution, which can be easily retrofitted into your existing intsllations?
- Would you like precise temerature control in your bypasses?

If the answer is "Yes" to one or more of these questions, then you should take a closer look at Frese **BYPASS**.

Frese BYPASS is a battery-powered IoT-based solution which helps you operate your heating network in new and intelligent ways, benefitting the climate, your customers, and your bottom line.

Easy installation, deployment and operation through a smartphone app.

Frese FLOWCLOUD® gives you complete access to all your installed Frese BYPASSES with a simple and intuitive dashboard. It also allows you to operate a specific Frese BYPASS.

Give us a call, and let's talk about your options!

What is in the box?

- ✓ Specially designed linear Pressure Independent Control Valve (PICV) with a flow of up to 500 l/h and a short stroke (2,5 mm), which makes it ideal for battry operation
- ✓ Low-power, tamper-free 3-point actuator
- ✓ Controller with internal Sigfox antenna and the option for a compact external antenna if conditions warrant it
- ✓ LPWAN; “Sigfox” –> Low-Power Wide-Area Network with encrypted wireless communication technology/protocol (digital key)
- ✓ Digital low-power sensors (temperature and pressure), which are connected directly to the valve’s pressure outlet
- ✓ External temperature sensor for optimal temperature control
- ✓ Web user interface - Frese FLOWCLOUD®
- ✓ Possible data exchange with 3rd party software (API)
- ✓ IP54 (IP67 in development)

Remote Flow Control as a Service

N.B.: Tablet not included

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