

In order to start design the project, please provide all initial required data.

Pipeline data

1. **Operation voltage:** _____ V
2. **Pipe material:**
Plastic
Metal
3. **Pipe diameter without insulation:** _____ mm
4. **Insulation thickness:** _____ mm
5. **Coecient of thermal conductivity of insulation:** _____ W/(m·°C)
6. **Total length of pipeline:** _____ m
** Or send the drawings of all pipelines.*
7. **Outside temperature:** _____ °C
8. **How many special equipment on the pipe:**
Elbows: _____
Valves: _____
Flanges: _____
Pumps: _____
9. **Type of liquid in the pipe:** _____
10. **Initial liquid temperature:** _____ °C
11. **Final liquid temperature:** _____ °C
12. **Steaming temperature:** _____ °C
13. **Density of pipe material:** _____ kg/m³
14. **Specic heat capacity of pipe material:** _____ kJ/(kg·°C)
15. **Density of liquid:** _____ kg/m³
16. **Specic heat capacity of liquid:** _____ kJ/(kg·°C)
17. **Desired heating time:** _____ h
18. **Desired heating elements:**
Resistive cables: _____
Self-limiting cables: _____
19. **Control system:**
DEVlreg™ 130 / ECtemp 130
DEVlreg™ 330 (5 - 45 °C) / ECtemp 330 (+5 - +45°C)
DEVlreg™ 330 (-10 - +10 °C) / ECtemp 330 (-10 - +10°C)
DEVlreg™ 330 (60 -160 °C)
DEVlreg™ 316 / ECtemp 316
DEVlreg™ 610 / ECtemp 610
DEVlreg™ Multi
20. **Comments and Special Remarks:**