Technical request form Pipe Heating

ENGINEERING TOMORROW

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/m^3
14. **Specic heat capacity of pipe material:** _____ kJ/(kg·°C)
15. **Density of liquid:** _____ kg/m^3
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:**
    - ☐ DEVIreg™ 130 / ECtemp 130
    - ☐ DEVIreg™ 330 (5 - 45 °C) / ECtemp 330 (+5 – +45°C)
    - ☐ DEVIreg™ 330 (-10 - +10 °C) / ECtemp 330 (-10 – +10°C)
    - ☐ DEVIreg™ 330 (60 -160 °C)
    - ☐ DEVIreg™ 316 / ECtemp 316
    - ☐ DEVIreg™ 610 / ECtemp 610
    - ☐ DEVIreg™ Multi
20. **Comments and Special Remarks:**

For technical questions, please, contact **EH@danfoss.com**