

Central Heating: Prod. & Circ.

P-122

Design of Prefabricated Units or On-site built Installations for producing Central Heating based on District Heating.

PED – Pressure Directive:

Design according to PED and detail design according EN13480.

Design:

P-Engineering designs District Heating and Heating Circulation System:

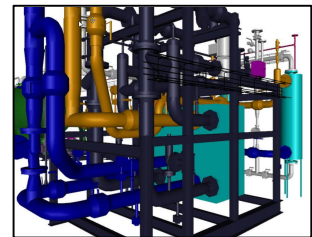
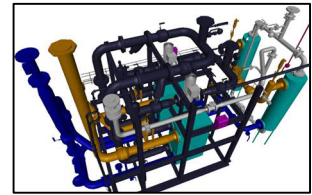
- PID
- Process Calculations
- Equipment Sizing (Pumps etc.)
- Pipe Design including of Pipe Isometric for fabrication
- Pipe Flexibility Checking (Sound Engineering should normally Cover)
- Support Structure
- Pipe Support
- Instrumentation
- Insulation Specification
- Make-up Water System
- MCC and Cabling Project
- BMS – Functional Description and SCADA Specification
- Equi-Potential Bonding

P-Engineering uses e.g.

- [AVEVA PDMS](#) Software for 3D design
- [DXT](#) EN13480 Software for Detail Calculations
- [CONVAL®](#) for Control Valve Design
- [PIPE-FLO®](#) Pump Sizing and Pressure Loss

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Pictures of 3D design of Unit and from and from a unit with final Insulation