

Parma: Comp. Air Clean Grade

P-261

Design of Compressed Air Installations

- Industrial Grade
- Clean Grade for Pharma

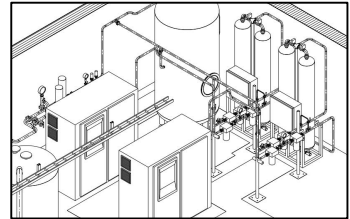
P-Engineering designs

- PFD & PID
- Process Calculations
- General 3D Layout
- Piping Specifications EN13480
- Insulation Specification
- Compressor Specification
- Control Valve Sizing & Selection
- Cooling Installation
- Control Valve Sizing and Selection
- Vessel: Specification of Standard Vessel or Bespoke Vessel Design EN13445
- Sterile Filter Specification
- Pipe Design including of Pipe Isometric for fabrication
- Pipe Supports Frames
- Remote I/O Cabinets
- MCC's and Electrical Supply
- Cabling – Power, Signal & IT
- Process Control System Specification, Functional Descriptions with SCADA Spec.
- Equi-Potential Bonding
- FAT-Test Report
- SAT-Test Report

P-Engineering will use [AVEVA PDMS](#) as 3D software and DXT-software for pipe and vessel calculation.

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Pictures from Compressed Air Installation at a Pharmaceutical Factory (DK). For this project, the Consulting Engineer had Specified a Pipe Series without Tees etc. and therefor Special Nozzles had to be manufactured.