

Duct Design: Parking Venting P-176

Design of System and Ducting for Parking Basement / Area Ventilation. Design according to Local Rules and Regulation – in Denmark according to DBI 027 regulation.

P-Engineering designs ducting system for lowest possible pressure loss (SEL-value) with regards to

- Avoiding Carnot Losses
- Exhaust optimization
- Optimizing Silencer Design
- Optimized Guide Vane Design and placement in Duct.

Design output are:

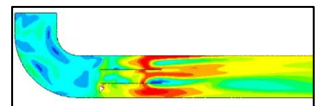
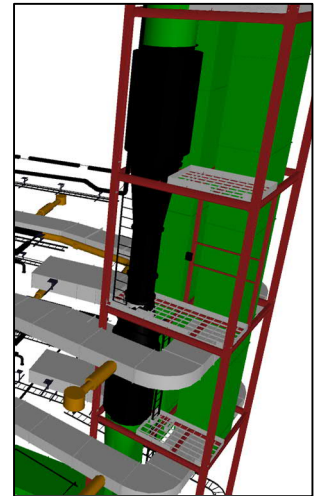
- PID
- Sound Calculations
- 3D Arrangement Drawings
- 2D Arrangement Drawings
- BoQ – Bill of Quantities
- Detail Erection Drawings.
- Support Specification
- Instrumentation – Pressure, Temp., NOx, and CH measuring
- Induced Draft Fan Specification
- Impulse Fan specification
- Fire and Smoke Control Damper Specification.
- Functional Descriptions
- BMS & SCADA specification
- Insulation Specification

P-Engineering uses e.g.

- [AVEVA PDMS](#) Software for 3D design
- P-Engineering Application for Pressure Loss Calc.

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Pictures of different project with Ducting for Comfort Ventilation System.

Bespoken Sound Attenuators – please visit: https://p-engineering.dk/onewebmedia/P-173_Silencers_Rev01_CP_2021-05-07.pdf

Bespoken Noise & Vibration reduction Design – please visit: https://p-engineering.dk/onewebmedia/P-177_BuildingUtilitiesVibrationNoiseReduction_Rev01_CP_2021-06-12.pdf