

Pipe Design: N-Gas & Safety P-153

Design of safety precautions around Piping Installations for N-Gas installations and especially Burner Supply Stations designed according to PED and EN13480. The prerequisites for designing the safety installations are either

- ATEX
- Local Rules and Regulation

In e.g., Denmark local regulations for Gas installation governs the safety around N-Installations for Boiler Rooms and other Heating Installations.

- Zoning with respect to safety in accordance with ATEX.
- General Ventilation Design with predominant Natural Ventilation
- Fresh Air supply for the Combustion
- Purge Ventilation in case of Gas Emissions.
- Design of Structural Protection Measures if the installations are placed in area with motorized traffic.
- N-Gas safety Blow-off from Burner Supply Stations to safe position e.g., above roof.

P-Engineering uses general design tools and in special cases we make CFD-investigations in relation to natural and purge ventilation.

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Pictures of a Burner Supply Stations for Large Utility Boiler Burner and a smaller Industrial Boiler Station at a dairy.