Office Building ABENA

- The Building Layout
- The Design
- System Layout
- Water and Power Supply
- The Quality Process
• Office building
• Two stories and parterre level
• Car park in parterre
• Total of 6,850 m²
• Office 6,300 m²
• Car park 550 m²
Office Building ABENA

Hazard classification

- Hazard classification against DBI CEA 4001 “Sprinkler systems – Design, installation and maintenance”:
  - Office levels - Ordinary Hazard group 1 (OH1)
  - Car park – Ordinary Hazard group 2 (OH2)
Office Building ABENA fire test

- CEN/TS 14972 for Office fire test
- Office levels - Ordinary Hazard group 1 (OH1)
Office Building ABENA fire test

- Sprinkler test
  - Spacing 3.5m × 3.5m

- Water mist test
  - Spacing 5.5m × 5.5 m
Office Building ABENA installation

- Nozzle head with 6 micro nozzles
- Press fitting for easy assembly of the pipes in the installation
• Motor valve as section valve
• Two high pressure pumps operating together to generate the required pressure

• One jockey pump for containing system pressure
• One electric generator

• One diesel generator

• Water supply directly from two stainless steel tanks
  – Ensures that the system can operate independent of public water supply
  – Water capacity for 30 minutes (Dispensation)
• Two individually switch boards
  – One for electric
  – One for diesel
• Regularly test
  – Start-up of pump unit once per week
  – Flow test
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• See more about Danfoss Semco A/S Fire Protection’s SEM-SAFE® system on

www.danfoss-semco.com