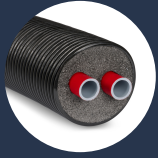


KEEPING COOL THE AMAGER BANK HQ IN COPENHAGEN

Cooling down the money



Flexalen 600



Certificates

OBJECTIVES

Situated on the historic Kongens Nytorv square in the heart of the Danish capital of Copenhagen, lie the Amager bank headquarters. As a large association with a lot of data storage and traffic, it needed a way to cool down its server room and have it operate smoothly, at a constant temperature. This would involve a cool new cooling concept, using seawater from the harbor area in cooperation with Copenhagen Energy and Bodrum VVS, the installer. To realize this, they needed to secure an efficient distribution solution that could be smoothly and quickly implemented in the heart of the city.

PROCESS

For Copenhagen Energy, this was the first pilot project done using polybutene (PB) pipes for connections to the main lines. They were very happy working with Flexalen, as an efficient, full-proof, and future-proof consolidation of their seawater cooling project. Copenhagen Energy believes cooling is essential for the commercial office buildings in the city, and similar initiatives will soon follow. The secondary line for the cooling system of the Amager bank is located in the city center of Copenhagen and was installed using Flexalen. The pipes used were 90/160 mm with PB/steel connections to the steel main lines in the street, and flanges for the boiler room. For the distribution system between the floors of the Bank and within the wall structures, the flexibility and security of the welded connections were crucial aspects for Bodrum VVS, the installer.

RESULTS

The flexibility and extremely low bending radius made it possible to pull the pipes underneath the existing road and under the building through a concrete shaft, despite there being curves in the shaft. The total length of the pipes in the street area was 2x50 meters and internally 2x40 meters of 75 mm pipes. It was the installer's first job working with Flexalen 600, and they were highly satisfied with working with our materials.



PROJECT INFORMATION

- 📍 Copenhagen, Denmark
- Duration: 2 Months
- Contractor: Copenhagen Energy
- Installer: Brondum VVS
- Customer: Amager Bank
- Project Responsible: Jan Hønning

APPLICATIONS

- Heating & Cooling Networks

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