



## Pipe system for drinking water

### Reference project: Stockholm Vatten och Avfall

Årstastråket is a new tunnel with pipes supplying an area in Stockholm with drinking water.

Stockholm Vatten och Avfall saw the benefits of using Alvenius's prefabricated FlowMax<sup>®</sup> system – the system developed for the future.



### The project

Stockholm Vatten och Avfall has a vast number of tunnels with pipes under the City of Stockholm. The pipes supplies the city with drinking water, as well as handling sewage.

Welding of pipes are not allowed due to the risk of fire and there is a historical issue of corrosion on pipes in these tunnels.

### The solution

Alvenius supplied Flowmax® pipes that were prefabricated in the dimensions DN500, DN400, DN300, DN200 and DN150 for transporting drinking water. The pipes were delivered in customized lengths, and using the drawings the contractor was able to quickly and easily assemble the pipes, as if solving a puzzle.

The light pipes and quick couplings meant that the FlowMax® system was assembled quickly, easy and without any additional processing at all. No special tools, special training or welding was required.

All pipes and fittings are CorroFlo®- and RocShield®-coated – a coating with maximum corrosion protection, certified in accordance with C5.

Alvenius FlowMax® pipes are drinking water approved.

### Customer Benefits

Thanks to the prefabricated system, no cutting or welding was required at site, and this allowed for a 10-15 times faster installation compared to welding pipes together.

The high-strength steel material and the extremely resistant CorroFlo® and RocShield® coating also ensure a high reliability and long durability.

Thanks to the thin pipe walls, Alvenius FlowMax® pipes are light, which gives an improved work environment.

### Project Facts

- Dimensions: 508mm, 406mm, 323mm, 219mm and 168mm
- Media: Drinking water



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