



Danfoss delivers 444 District Heating Units to Asagården in Holstebro, Denmark

Since October 2007 the Holstebro based company Mogensen VVScomfort has installed Termix VMTD-F district heating units in 444 apartments at 'Asagården' owned by the building society 'Holstebro Boligselskab' in Holstebro. The district heating units are only a small part of a comprehensive renovation of the bathrooms in the 444 apartments. The project is expected to be finalized in December 2009.

There are several reasons why the building society has chosen to replace the central hot water heating system at Asagården with a district heating unit with a heat exchanger in every apartment. One obvious advantage for the individual tenants is that they in future will be able to read their own specific consumption per apartment.

This new district heating unit also significantly minimizes the risk of lime scale and bacteria formation since the heat exchanger is based on the flow principle, which ensures clean, bacteria-free water abundantly in the new and elegant bathrooms at Asagården.

Business manager at Holstebro Boligselskab, Bjarne Nielsen, underlines that an important factor in choosing a heat exchanger solution was also the environmental aspect. This solution is

considerably more energy efficient and will in future result in tangible savings for the individual tenants.

The renovation process has called for much patience from the tenants, who have lived in the apartments during the renovation. The lacking bathrooms were compensated for with shower and toilet cabins in front of the apartment blocks.

The heat exchanger solution which was chosen is a Termix VMTD-F district heating unit, which is a particularly flat model especially developed for the Asagården since one of the demands from the building society was that the district heating unit can fit into a cupboard with a depth of only 25 cm. Danfoss-owned Gemina Termix therefore used one of the district heating units which is normally sold on the export markets as a starting point and developed it specifically for the Asagården, in order to meet the strict demands regarding the dimensions.

Termix VMTD-F is a complete district heating unit for use in connection with direct heating. After mounting and installation the district heating consumer needs not worry about any later adjustments because this unique control - the Termix sensor accelerator



and the AVTB thermostatic control valve - in Termix VMTD-F of its own volition makes sure the comfort temperature for hot water is maintained - even if the operating conditions change like e.g. in the summer time where the radiators and the floor heating can be deactivated, and if the district heating plant lowers the flow temperature and the differential pressure.