

KVC HAVE FOUND A NEW HOME IN THE FREE AND HANSEATIC CITY OF HAMBURG



WHERE:

The 'Free and Hanseatic City of Hamburg' (Freie und Hansestadt Hamburg in German) is renowned for being the 3rd largest port in Europe; in Middle Ages, it was member of the Hanseatic League, and it has always been an important economic and cultural centre in European history. It is the second largest city in Germany, with several distinguished universities and institutions, with the world's oldest merchant bank – Berenger Bank, and the Speicherstadt and Kontorhausviertel, two ancient urban areas that were declared UNESCO World Heritage Sites back in 2015.

It is in this significant and thriving city, precisely in the Rotherbaum district, that DAB Pumps has collaborated in building a new and exclusive residential complex.

WHEN: January 2017

SALES AGENT: Dirk Wippermann

CONTRACTOR: GS-Bau GmbH



THE REQUEST

In the Rotherbaum district, in Hamburg, 63 owners and one commercial unit have found a new home: this residential complex not only has a contemporary and stylish architecture of the LRW Architekten and Stadtplaner based in Hamburg, but it also pays attention to detail solutions; since the DAB booster system keeps water pressure constant, the clients relied on the installation of a pressure booster (DEA) with 3 vertical centrifugal pumps type KVC AD 70/120 T and the integrated inverter Active Driver.

The 3 pumps complex has a water flow rate of 36 m³/h, with two pumps - each of 12 m³ - that are always in operation, while the third, always of 12 m³, is a spare pump and starts in case one of the others stops. This system, compact, flexible and reliable, was selected by Kunz and Petersen Sanitär in Hamburg and supplied by the specialist wholesaler D.F. LIEDEL in Norderstedt, and it provides constant water pressure with very low noise level.

The integrated Active Driver with inverter technology has complete control of the pumps. The combination of water connections, pressure sensor, flow sensor and frequency inverter regulates their speed, so that the pressure remains constant while the water need changes: no matter how many faucets within the building retrieve water at the same time, the DEA keeps it at the desired adjusted pressure. According to the specifications of the Hamburg Wasser on the construction, arrangement and installation of such products, this pumps complex complies with the DIN 4109 requirements.

Thanks to this installation, all 63 owners can shower at the same time - and this is not trivial at all.

3 x KVC AD 70/120 T

