Geberit Silent-db20 SuperTube

# A quieter SuperTube

Geberit International Sales AG, Rapperswil-Jona, March 2025

The SuperTube drainage system for high-rise buildings is now also available for the Geberit Silent-db20 system. It is just as space-saving as the HDPE system, and is now also highly sound-insulating.



Three new fittings are being added to the Geberit Silent-db20 high-insulation drainage system to create the SuperTube effect.

Geberit SuperTube for high-rise buildings is a hydraulically optimised drainage system that saves space. Thanks to the optimised hydraulics, the waste water is converted into an annular flow with a column of air created in the centre of the stack. This means that ventilation pipes are no longer needed in the ducts. As the redirection of water when the pipe changes direction has also been optimised, horizontal pipes of up to six metres can be installed without the need for a slope. This results in thinner ducts and higher rooms.

Increasing sound insulation requirements

Up to now, the system has been available for PE drainage pipes. Heidi Owegeser, Product Manager International at Geberit, says: “The sound insulation requirements are very high in Europe, which means a quieter system is needed. Globally, we are also seeing increasing demand for highly sound-insulated drainage systems, particularly in the luxury segment in international markets.”

Geberit now has the answer with Silent-db20 SuperTube. The proven highly sound-insulated system has been supplemented with the three Sovent, BottomTurn and BackFlip fittings for SuperTube functionality.

Higher weight and sound insulation ribs

“The high sound insulation is achieved through various measures,” says Heidi Owegeser. A decisive point is the higher inherent weight of Silent-db20, with the reinforced plastic ensuring a significant reduction in natural vibration. “Special sound insulation ribs are another feature of the system.” These reduce noise development at the impact zones.

In order to test the actual acoustic effect, Geberit equipped a drainage tower with the system at headquarters in Rapperswil-Jona (CH) and carried out over 1,000 measurements in a range of different construction situations. “We can now take the know-how obtained and also pass it on to the sanitary engineers,” says Heidi Owegeser.

**3 Fittings for the SuperTube effect**

**Geberit Silent-db20 Sovent**: The fitting causes the incoming waste water from the floor to rotate in the stack, pressing it against the pipe wall. A stable column of air is created that enables a high drainage capacity.

**Geberit Silent-db20 BottomTurn**: If there is a change in pipe direction, this bend converts the water from an annular flow into a layered flow without any interruptions. This redirection reduces the impulse loss significantly compared to conventional systems.

**Geberit Silent-db20 BackFlip**: This bend has a twisted design and converts the layered flow back into a swirling annular flow. This means the column of air in the stack is maintained.

**Additional information is available from:**

**Geberit International Sales AG**

**Neue Jonastrasse 59**CH-8640 Rapperswil  
Switzerland

**Bettina Starck, Marketing Communication Manager**

**Tel. +41 (0) 55 221 61 14**

**About Geberit**

The globally operating Geberit Group is a European leader in the field of sanitary products and celebrated its 150th anniversary in 2024. Geberit operates with a strong local presence in most European countries, providing unique added value when it comes to sanitary technology and bathroom ceramics. The production network encompasses 26 production facilities, of which 4 are located overseas. The Group is headquartered in Rapperswil-Jona, Switzerland. With around 11,000 employees in approximately 50 countries, Geberit generated net sales of CHF 3.1 billion in 2023. The Geberit shares are listed on the SIX Swiss Exchange and have been included in the SMI (Swiss Market Index) since 2012

Pictures

|  |  |
| --- | --- |
|  | Space-saving with SuperTube: This is what a highly sound-insulating Geberit Silent-db20 drainage solution with SuperTube effect looks like.  Photo: Geberit |
|  | In a test tower built especially for SuperTube at the Geberit headquarters in Rapperswil-Jona (CH), the new system was put through its paces – in particular with regard to acoustics. Photo: Geberit |
|  | The space-saving system is also installed more quickly than conventional drainage systems for high-rise buildings.  Photo: Geberit |