

Push-in fittings made of PPSU

Fine tuning for the BRITA water dispenser



New standards in hygiene

Water dispensers with tap connection ensure a constant supply of fresh water. No more bottles in the refrigerator, no more crates of water in the warehouse. BRITA water dispensers transform tap water into fresh and delicious table water. This means that buying and storing bottled water is a thing of the past. It saves money and effort while protecting the environment.

BRITA sets the standard for hygiene in water dispensers. Effective filter systems ensure germ-free water and prevent external contaminants from entering the device. Further developing its highly efficient hygiene system is a constant priority for BRITA.



At a glance



The customer BRITA

The family-owned company develops, manufactures and sells drinking water filters for domestic and commercial use. Through partnerships with household appliance manufacturers, filter cartridges are also installed in third-party devices, including refrigerators, kettle filters and coffee machines. Additionally, the company entered the market for water dispensers with tap connection in 2010. These dispensers are used in offices, industrial facilities and educational institutions.

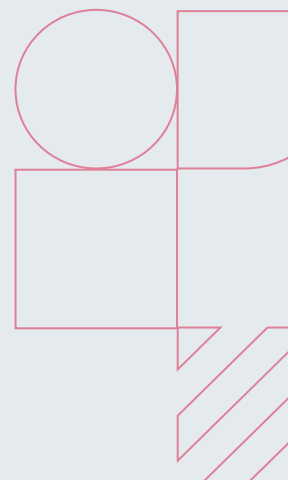


The project

Completely safe: BRITA ensures water dispenser hygiene with numerous measures, from production to commissioning and use to maintenance. Stefan Reitmüller from BRITA Development approached the AVS Römer team with a special challenge.

The customer requirement

Part of BRITA's 3-phase hygiene concept is the so-called thermal germ barrier. To optimise the already high hygiene standards at BRITA, an additional germ barrier was integrated into the system. AVS Römer and BRITA collaborated to develop a customised solution. To achieve this, the diameter of the fitting had to be adjusted from 8 mm to 4 mm.

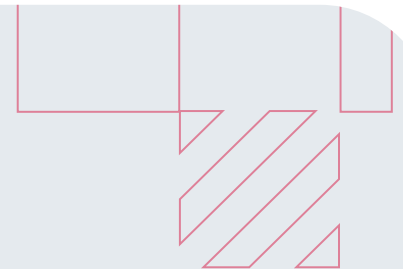


The solution

Once again, the AVS Römer team demonstrated its strength as a problem solver and specialist in customised solutions. In close collaboration with BRITA, AVS Römer adapted the connection and perfectly implemented the customer's vision. This involved reducing the diameter of the push-in angled fitting made of PPSU from 8mm to 4mm. The special components were redesigned and manufactured by AVS Römer. PPSU, a high-performance plastic, was ideally suited for this application due to its properties: steam sterilisable and chemically disinfectant resistant, high continuous operating temperature for hot water and steam applications. It is food compliant with tested suitability for contact with food and drinking water.

The advantages

- ✓ Proven push-in technology saves time and costs during installation
- ✓ Customised special solutions for specific customer requirements
- ✓ The highest level of material expertise for perfect solutions
- ✓ Wide product range, offering a complete package for every application



The new angled fitting is plugged onto the so-called thermal germ barrier. It consists of an 8mm stainless steel tube that has a groove for attaching the connecting piece. Using a 4/2 mm FEP tube of a defined length minimises the flow to the required range.

AVS Römer offers a complete service package for BRITA, including additional components such as check valves, throttle valves and tubes.

The result

AVS Römer push-in fittings offer a secure solution for every connection. Their versatility, flexibility and durability ensure the highest degree of effectiveness. Push-in technology enables maximum time savings through quick maintenance work. The wide range of materials and configurations available in metals and plastics guarantees that the right solution can be provided for a variety of requirements, as demonstrated by BRITA. AVS Römer has the right solution for high-performance components such as fittings in water dispensers, especially when it comes to special solutions.





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