

Avantor® PUPSIT Assemblies

EU GMP Annex 1 regulatory guidelines require that PUPSIT, or pre-use post-sterilization integrity testing, is conducted after a sterilizing filter has been installed to ensure its integrity before product filtration. PUPSIT is a complex process that introduces additional risk (due to manual intervention and operator error), which could result in filter damage during sterilization or installation. Avantor® PUPSIT assemblies ensure product sterility while simplifying pre-use integrity testing. We offer pre-designed assemblies with configurable elements such as filters, tubing and sensors. Combined with our vast library of validated components and our supplier-agnostic approach, PUPSIT assemblies enable flexible design adaptation under compliance with EU GMP Annex 1.

Delivering flexibility and expertise you can rely on:

- Reduce inherent risks associated with designing and implementing PUPSIT.
- Easily adapt to your process.
- Supplier-agnostic/open-architecture approach allows you to use any component from our vast library.
- Partner with us and consult on the right choice of components for your process.
- Reduce lead times compared with those for fully customized solutions.
- Secure your supply chain through our global network of cGMP and ISO-certified manufacturing sites for critical raw materials and fluid handling solutions.

Our configurable PUPSIT assemblies help **reduce complexity while maintaining compliance**, with **flexibility** to adapt to your process needs.

**Option 1:
Filters**



Air, liquid and barrier filters

**Option 2:
Sensors**



Sensors or single-use gauge tees

**Option 3:
Aseptic fittings**



Connectors, disconnectors & other fittings

**Option 4:
Tubing**



Reinforced and regular tubing (silicone, TPE)

