

Steri offers a complete solution for clean-in-place and cake wash requirements. When CIP is required, FUNDA filters can be fitted with optional customized spray heads, bars and balls that will provide complete washing of all interior surfaces. CIP features are beneficial in reducing cycle times, as disassembly for cleaning purposes can be avoided.

Clean In Place (CIP)

Depending on your requirements, the clean in place components can be used during processing to aid in rinsing any product clinging to the walls and plates.



In-House CIP Testing

First article testing can be performed using riboflavin to confirm total cleansing of all interior surfaces.



CIP Testing at Steri

Steri utilizes 3D computer modeling techniques to visualize spray patterns and verify coverage. To optimize CIP quality, spray angles, spray head types and spray head location patterns are modeled during the design phase. So even before we make the first weld on a new FUNDA filter, 100% complete spray pattern coverage is clear and certain.



CIP 3D Modeling

Cake Washing



Cake Wash Method 1

Wash for Quality / Method 1

The wash liquid follows the same route as in filtration. The wash liquid passes through the filter cake, filter screen and spacer ring area to the hollow shaft and filtrate outlet.



Cake Wash Method 2

Wash for Quality / Method 2

The wash liquid can be recycled by pump into the vessel head from the bottom outlet, with filtration pressure created by compressed gas. Cascade washing using the heel volume filtration method reduces the wash liquid volume.