An effective solution to ensure steam dryness

The CS10-1 is designed to remove contaminants, entrained moisture and condensate from clean and pure steam systems for critical applications. The CS10-1 ensures a minimum steam dryness of 95% which is key to successful sterilization cycles and helps you achieve compliance with industry standards such as EN 285, HTM 2010 and AAMI-ST79.

The CS10-1 has been developed to solve problems associated with wet steam, its impact on sterilization and autoclave processes as well as limiting damage to downstream control valves and equipment.

Key features

• Designed to ensure steam dryness values above 95%.
• Designed in accordance with the ASME BPE guide for the biopharmaceutical industry.
• Protects and maintains service life of downstream pipeline equipment.
• Unique removable baffle plate to facilitate internal inspection.
• Minimal pressure drop.
• Internal surface finish of 20 μ-in (0.5 μm) Ra electro-polished.
• Traceable 316L stainless steel material.
• FDA compliant seals.
• Part of a dedicated high purity product range from Spirax Sarco.

The CS10-1 helps you achieve compliance and quality within your clean and pure steam system while maintaining reliable operation and minimizing maintenance and downtime costs.
The range and options

<table>
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| CS10 - 1 | ½" - 2" | Internal: 20 μ-in (0.5 μm) Ra electro-polished  
|          |       | External: 63 μ-in (1.6 μm) Ra satin bleed blast | Ground smooth and polished | Sanitary clamp or Tube weld ends |

Typical application

Sanitary air vent
Aids removal of air and other non-condensable gases during start-up and operation

Sanitary ball valve
Isolates the separator for maintenance

CS10-1 separator
Dries the clean steam

Sanitary ball valve
Isolates the steam trap for maintenance

Sanitary steam trap

Air break

Clean wet steam

Sanitary ball valve

Sanitary pressure reducing valve

Reduced pressure out

Clean dry steam

Sanitary ball valve