

<b>Hall Pyke Ltd Case History No. :- 27 Vent Filter For Pharma Sector</b>
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**Fluid** : air venting from tanks

**Requirement:-**

The client wanted a permanent stainless steel vent filter for some of their process / water tanks. In the past they had been using encapsulated filters which were proving costly and were over specified for the level of protection required.

**Problems to be overcome**

Provide them with something that is compact and can be cleaned or discarded as required.

That they should be able to mate with a 1-1 ½” tri-clamp ferrule on the tanks.

**Solution:-**

We manufactured a small cylindrical housing with a 1 ½” tri-clamp connection either a the ID of the assembly was machined to provide a recess upon which to locate and stainless steel mesh disc. A solid stainless steel cylinder than mates with this recess and compresses the mesh upon closing the tri-clover type clamp.

The mesh used is from G. Bopp & Co. of Zurich and is a Betamesh 15. this is a high flow Hollander which is absolute rated. It has excellent back flush characteristics the best of all meshes.

These devices can be made in any size up to 6” tri-clamp and any grade of mesh could be sued in them.