

Sterile and Non-Sterile Steroids Manufacture

Customer:	Manufacturer of sterile and non-sterile steroids
Application:	Bioscience APIs
Products:	Microcap™ PPP Capsule Filters
Primary Motive:	Cost saving / optimisation
Location:	Lombardy, Italy
Project Date:	2020
Division:	New Milton, UK



Customer Overview:

The end-user is a leading global manufacturer of sterile and non-sterile steroids.

With decades of steroid chemistry expertise, including research and development, the manufacturer provides a customised approach for the manufacture of High Potency Substances (HPS) and anti-cancer drugs.

Customer's Requirement:

The primary objective for seeking a new solution was cost-saving.

The manufacturer had been using capsule filters, supplied by another filter company.

These were employed for the filtration of solvents (acetone, methylene, chloroform, ethanol, methanol, isopropyl alcohol) containing organic residues.

Process conditions:

Max. temp: 50°C

Max. flow rate: 1,600L p/h

Max. pressure: 3bar

Batch sizes to filter from 500 - 3,000L.

Porvair's Solution:

In conjunction with one of our Italian distributors, we supplied the end-user with a Microcap™ PPP 1µm (10") capsule filter.

Project Overview:

At the initial stages of the project, we supplied a small batch of capsule filters to allow the customer to evaluate their quality and performance.

The filters performed well in terms of quality and the total cost of filtration was reduced by 10-15%.

Due to their exceptional performance, the end-user has placed a blanket order for the next year.

Product and System Information:

Microcap™ PPP 1µm (7018-1-001-N-10-FF)

Other Opportunities:

API manufacturers.

