



PHARMACEUTICAL

**SAFETY, PERFORMANCES,
QUALITY, RELIABILITY**

ASCO
FILTRI
a **mott** company

www.ascofiltri.com

Pharmaceutical

Filtration is essential in manufacturing to ensure purity and safety by removing impurities, particulates and microbes.

Processes

ASEPTIC FILLING

PTFE membrane for air and PES (or Nylon or hydrophilic PVDF) membrane for the product: this is what aseptic pharmaceutical packaging requires.

VENT

PTFE membranes enable filtered air exchange in storage tanks, preventing contamination (sterility) and pressure buildup or vacuum.

PREFILTRATION

The membranes remove microorganisms, but their fine pore size causes them to clog quickly. Proper pre-filtration with polypropylene microfibers is needed to extend the membranes' operational life and reduce operating costs.

CELL

Polypropylene is used for prefiltration, and a 0.1 micron membrane filtration step can be added if Mycoplasma retention is needed.

BUFFER

Biological and particulate contaminants in buffers can significantly impact process efficiency and final product quality. Filtration is a crucial initial step in any buffer preparation process. For this, polypropylene is used for prefiltration, and a sterilizing grade double membrane is employed to protect against biological contaminants and ensure TFF, UF and RO safety.

ACIDS AND BASES

While microbial growth in these solutions is generally not anticipated, bacterial spores have been detected that can become active in subsequent production steps. To mitigate this risk, these acidic or basic solutions are sterilized using PES or PTFE membrane filters.

CHROMATOGRAPHY

The presence of particles in samples and mobile phases can compromise the performance of the column and the instrument. Typically, the reduction of bacterial load, achieved with a membrane, optimizes the process.

SERVICES



SERVICE WATER & PROCESS WATER

Particles Removal, Microorganisms load reduction, sterilisation, reverse osmosis protection



CIP SOLUTIONS

Coarse Particles Removal & Fine Particles Removal

Products

ASCO FILTRI
a mott company



CAPSULES

Full scalability
From 1.5" to 30"
TC connections and more
Many materials and pore sizes



MEMBRANES

PES, PTFE, Nylon, PVDF
Single or Double-layer
0.2 µm sterilising grade
Bioburden reduction



PREFILTERS

Polypropylene:
Absolute Pleated
Depth-Pleated
Absolute Melt-Blown



HOUSING

Stainless Steel 316L
Single- and multi-round
Liquid & Gas, Group 1 & 2
Roughness < 0.4 µm

cGMP PRODUCTION

CLEAN ROOM MANUFACTURING

DOCUMENTATION

FDA (U.S. PHARMA AND FOOD)
1935/2004 (EU FOOD)
BSE/TSE FREE
ANIMAL COMPONENT FREE (ACF/ADCF)
USP-88 PLASTIC MATERIAL CLASS VI
VALIDATION AND TECHNICAL GUIDES



AIR & GAS STERILIZATION

Sterilisation of compressed air,
nitrogen and other gases.



STEAM

Clean and Pure steam generation.

SERVICES

WHERE WE ARE

ASCO Filtri Worldwide



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A Business Unit of IDEX Corporation



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