

High Purity Porous Metal Products for Biotechnology Applications

When it comes to characteristics like strength, precision, efficiency, longevity, or clean-ability, no other material performs more reliably than Mott porous metal. That's why Mott media is designed into dozens of applications in the biotechnology and pharmaceutical industries.



Mott In-tank Porous Metal Spargers for efficiency in mass transfer

Uniform High Precision Porosity

Strictly controlled porosity in media grades 0.2µm to 100µm.

Depth Filtration

The compaction and sintering process arranges pore randomly, creating a labyrinth of irregular pathways which effectively capture particles that enter the media. Particle capture efficiencies down to 0.003µm in gases are obtained.

Corrosion Resistance

Mott porous metal products are available in corrosion resistant alloys like 316LSS, Nickel, Hastelloy®, Titanium and other alloys offering long term resistance to corrosive cleaning agents.

Hastelloy is a registered trademark of Haynes International, Inc.

Tolerance of High Temperatures and Pressures

Mott porous metal products withstand temperatures up to 1700°F (925°C) in reducing or neutral environments and 1450°F (787°C) in oxidizing atmospheres and differential pressures in excess of 3000 psig (206 bar).

Clean-ability

Mott porous metal products can be cleaned in-situ with blowback (gas) or back pulse (liquids) methods. They can be washed or purged with water, solvents, bleach, caustic or acid solutions. They also can be autoclaved, steam purged or cleaned ultrasonically.

Mott porous metal applications in the biotechnology and pharmaceutical industries include:

- Bioreactor/fermentor process gas spargers
- Vent filters
- Steam filters
- Steam spargers
- Gas line filters



Porous Metal Filter Cartridges for Vent, Steam and Gas Filtration