Mott Porous Metal Data Sheet

Media Grade: 100
Type: Rolled Sheet
Alloy: 316LSS
Thickness: 0.093 inches

Manufacturing Specifications
- Bubble Point, inch water: 0.5 - 1.5
- Minimum Tensile, kpsi: 1.3
- Yield Strength, kpsi: 1.0
- Young’s Modulus, x 10^6 psi: 1.4

Permeability Coefficient
- Liquid: K_L = 0.20
- Gas: K_G = 1.9

Particle Removal Efficiency
- Liquid Efficiency: Testing per ASTM F795
  - 90% at 50 µm
  - 99% at 100 µm
  - 99.9% at 150 µm

- Gas Efficiency: Tested at 1 gpm/ft^2
  - 90% at 20 µm
  - 99% at 40 µm
  - 99.9% at 100 µm

Notes:
1. Tests run at 70 °F
2. Tests run with water, other curves generated using K_L

Liquid: Pressure Drop, psid = (K_L)(Flux, gpm/ft^2)(Visc, cp)(Thck, inch)
Gas: Pressure Drop, psid = (K_G)(Flux, acfm/ft^2)(Visc, cp)(Thck, inch)

Flow Characteristics on these data sheets are typical and should be used for general reference only.