Mott Porous Metal Data Sheet

Media Grade: 0.2
Type: Rolled Sheet
Alloy: 316LSS
Thickness: 0.039 inches

Issued: 06/22/10

Manufacturing Specifications
Bubble Point, inch of Hg 5.0 - 6.9
Minimum Tensile, kpsi 26.0
Yield Strength, kpsi 24.0
Young’s Modulus, x 10^6 psi 13.2

Permeability Coefficient
Liquid, K_L 90
Gas, K_G 700

Particle Removal Efficiency
Liquid Efficiency
Testing per ASTM F795
90% at 0.5 µm
99% at 0.9 µm
99.9% at 1.4 µm

Gas Efficiency
Testing at 1 gpm/ft²
>90% for all particle sizes
>99% for all particle sizes
99.9% at 0.2 µm

Liquid: Pressure Drop, psid =
(K_L)(Flux, gpm/ft²)(Visc, cp)(Thck, inch)

Gas: Pressure Drop, psid =
(K_G)(Flux, acfm/ft²)(Visc, cp)(Thck, inch)

Notes:
1 - Tests run at 70 °F
2 - Tests run with water, other curves generated using Liquid Formula

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