Mott Porous Metal Data Sheet

Media Grade: 0.5
Type: Rolled Sheet
Alloy: 316LSS
Thickness: 0.047 inches

Issued: 06/22/10

Manufacturing Specifications
Bubble Point, inch of Hg 3.0 - 3.9
Minimum Tensile, kpsi 21.0
Yield Strength, kpsi 19.0
Young’s Modulus, x 10⁶ psi 9.5

Permeability Coefficient
Liquid, Kₗ 20
Gas, Kₜ 190

Particle Removal Efficiency
Liquid Efficiency Testing per ASTM F795
90% at 1 µm
99% at 1.7 µm
99.9% at 2.2 µm

Air Efficiency Tested at flux of 6 acfm/ft²
>90% for all particle sizes
99% at 0.25 µm
99.9% at 0.3 µm

Notes:
1 - Tests run at 70 °F
2 - Tests run with air at 70 °F

Pressure Drop, psid = (Kₗ)(Flux, gpm/ft²)(Visc, cp)(Thck, inch)
Pressure Drop, psid = (Kₗ)(Flux, acfm/ft²)(Visc, cp)(Thck, inch)

Notes:
1 - Tests run with air at 70 °F
2 - Tests run with upstream pressure exhausting to atmosphere

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

mott corporation
84 Spring Lane, Farmington, CT 06032-3159
860-747-6333 Fax 860-747-6739
www.mottcorp.com