Mott Porous Metal Data Sheet

Media Grade: 0.5
Type: Pressed Disc
Alloy: 316LSS
Thickness: 0.062 inches

Issued: 06/25/10

Manufacturing Specifications
Bubble Point, inch of Hg 3.0 - 3.9
Minimum Tensile, kpsi 21.1
Yield Strength, kpsi 11.5
Young’s Modulus, x 10^6 psi 8.3

Permeability Coefficient
Liquid, \( K_L \) 8.0
Gas, \( K_G \) 190

Particle Removal Efficiency
Liquid Efficiency
- 90% at 0.9 µm
- 99% at 1.6 µm
- 99.9% at 2 µm

Testing per ASTM F795

Testing at 1 gpm/ft²

Air Efficiency
- >90% for all particle sizes
- >99% for all particle sizes
- 99.9% at 0.25 µm

Testing at flux of 6 acfm/ft²

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

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)

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
860-747-0330 Fax 860-747-6739
www.mottcorp.com