

Mott Porous Metal Data Sheet

Media Grade: 1
Type: Rolled Sheet
Alloy: 316LSS
Thickness: 0.047 inches

Issued: 06/22/10

Manufacturing Specifications

Bubble Point, inch of Hg 2.0 - 2.5
 Minimum Tensile, kpsi 17.0
 Yield Strength, kpsi 15.0
 Young's Modulus, x 10⁶ psi 7.4

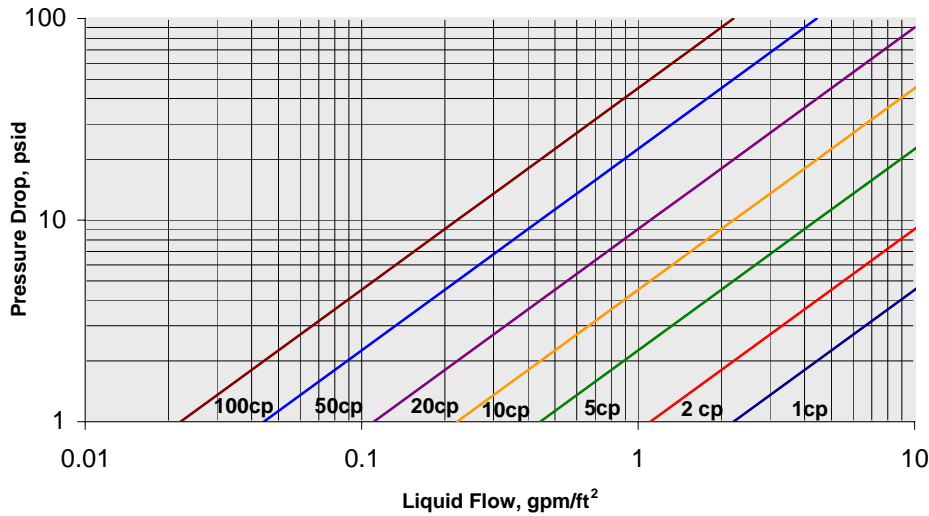
Permeability Coefficient

Liquid, K_L 9.2
 Gas, K_G 75
Liquid: Pressure Drop, psid =
 $(K_L)(\text{Flux, gpm/ft}^2)(\text{Visc, cp})(\text{Thck, inch})$
Gas: Pressure Drop, psid=
 $(K_G)(\text{Flux, acfm/ft}^2)(\text{Visc, cp})(\text{Thck, inch})$

Particle Removal Efficiency

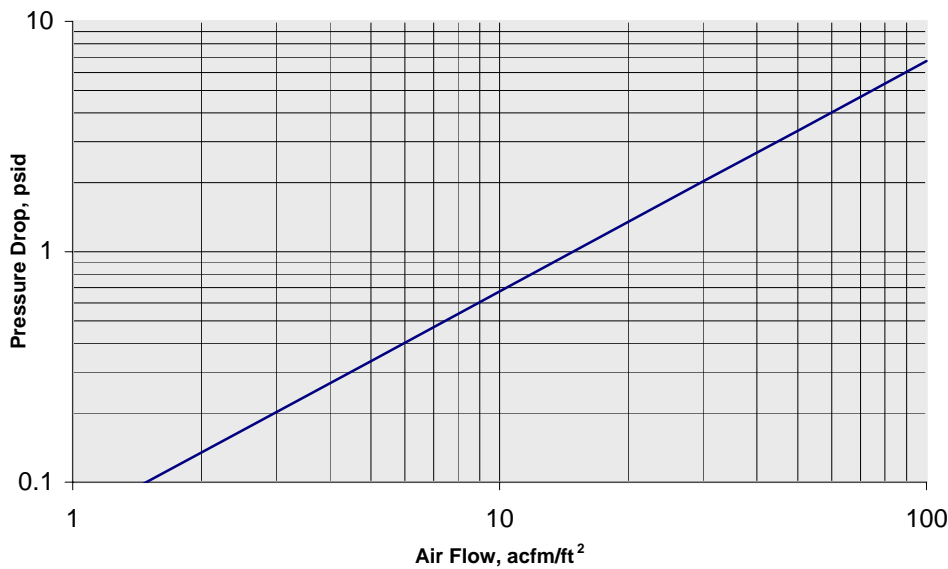
Liquid Efficiency Testing per ASTM F795
 Tested at 1 gpm/ft²
 90% at 1.5 μm
 99% at 2.2 μm
 99.9% at 3.3 μm

Air Efficiency Tested at flux of 6 acfm/ft²
 >90% for all particle sizes
 99% at 0.35 μm
 99.9% at 0.7 μm



Notes:

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



Notes:

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

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