

Mott Porous Metal Data Sheet

Media Grade: 40
Type: Iso Pressed Tube
Alloy: 316LSS
Inside Diameter: 0.344 inches
Outside Diameter: 0.500 inches

Issued: 06/25/10

Manufacturing Specifications

Bubble Point, inch water 3.0 - 4.0
 Minimum Tensile, kpsi 3.6
 Yield Strength, kpsi 3.1
 Young's Modulus, x 10⁶ psi 1.8

Permeability Coefficient

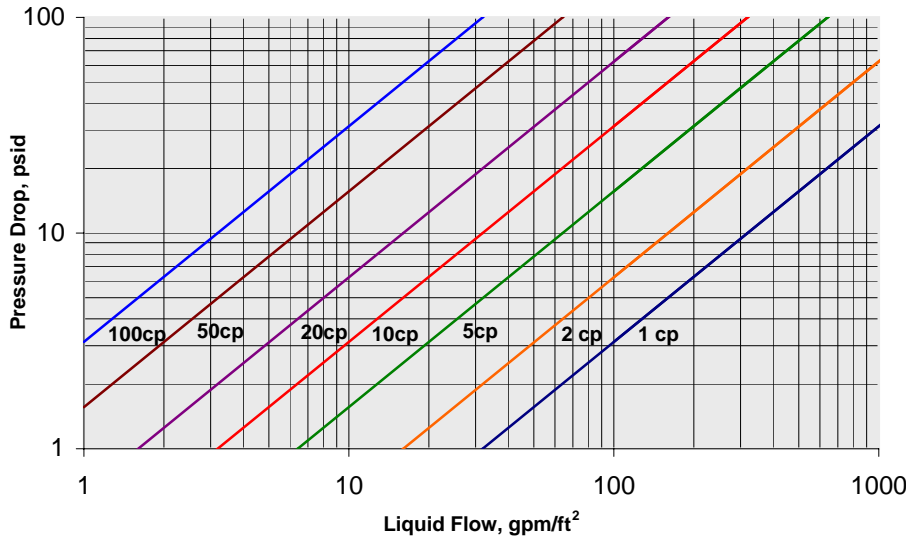
Liquid, K_L 0.40
 Gas, K_G 2.6

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

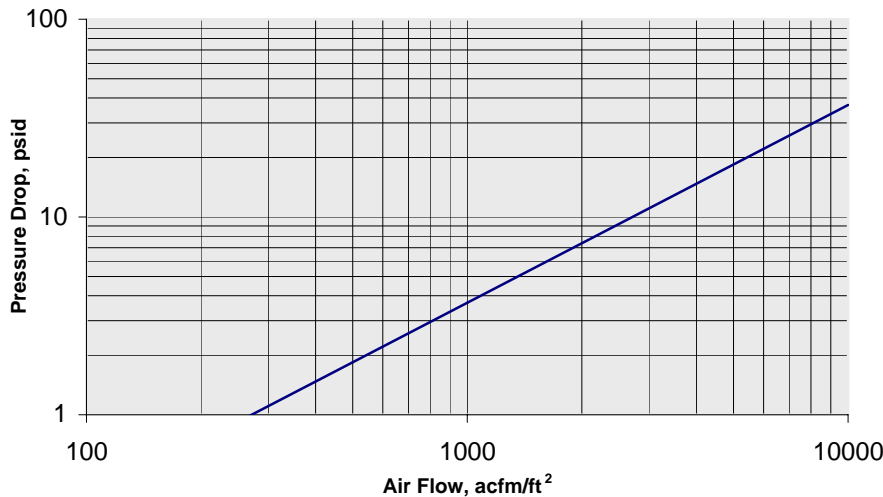
Liquid Efficiency Testing per ASTM F795
 Tested at 1 gpm/ft²
 90% at 25 μm
 99% at 35 μm
 99.9% at 45 μm

Air Efficiency Tested at flux of 6 acfm/ft²
 90% at 12 μm
 99% at 25 μm
 99.9% at 45 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

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