

Mott Porous Metal Data Sheet

Media Grade: 2
Type: Iso Pressed Tube
Alloy: 316LSS
Inside Diameter: 0.375 inches
Outside Diameter: 0.500 inches

Issued: 06/25/10

Manufacturing Specifications

Bubble Point, inch water 17.0 - 24.0
 Minimum Tensile, kpsi 11.9
 Yield Strength, kpsi 10.9
 Young's Modulus, x 10⁶ psi 5.1

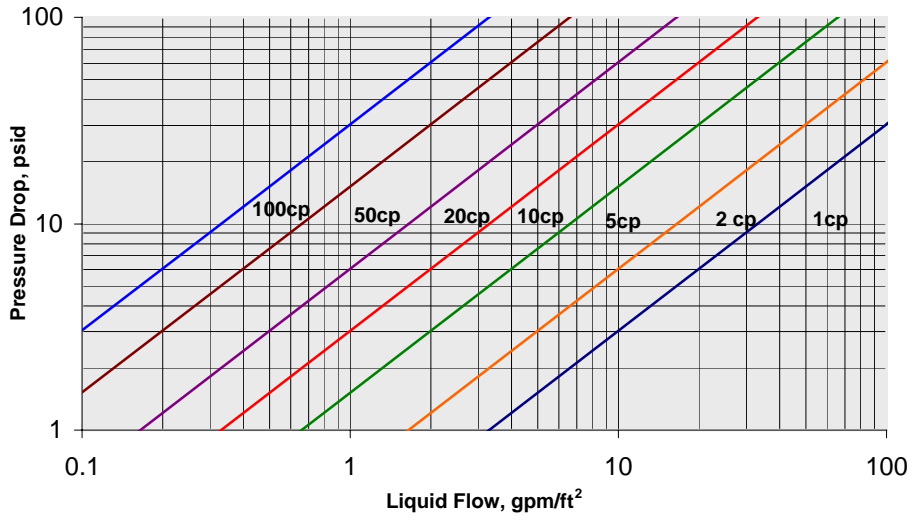
Permeability Coefficient

Liquid, K_L 4.9
 Gas, K_G 33
Liquid: Pressure Drop, psid =
 $(K_L)(Flux, \text{gpm}/\text{ft}^2)(Visc, \text{cp})(Thck, \text{inch})$
Gas: Pressure Drop, psid =
 $(K_G)(Flux, \text{acfm}/\text{ft}^2)(Visc, \text{cp})(Thck, \text{inch})$

Particle Removal Efficiency

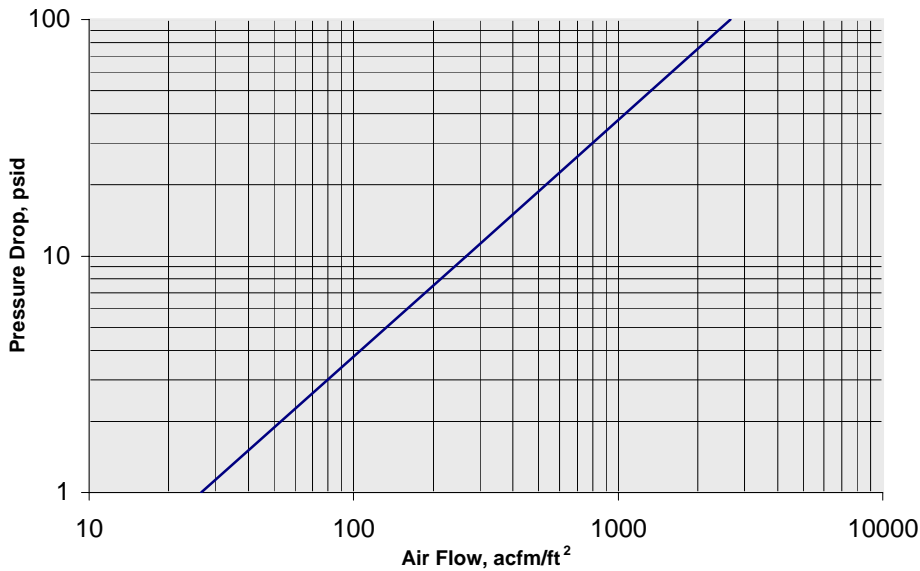
Liquid Efficiency Testing per ASTM F795
 Tested at 1 gpm/ft²
 90% at 4 μm
 99% at 5.5 μm
 99.9% at 9 μm

Air Efficiency Tested at flux of 6 acfm/ft²
 90% at 0.3 μm
 99% at 0.6 μm
 99.9% at 2 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.