

Mott Porous Metal Data Sheet

Media Grade: 10
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 7.5 - 10.9
 Minimum Tensile, kpsi 6.7
 Yield Strength, kpsi 5.4
 Young's Modulus, x 10⁶ psi 2.9

Permeability Coefficient

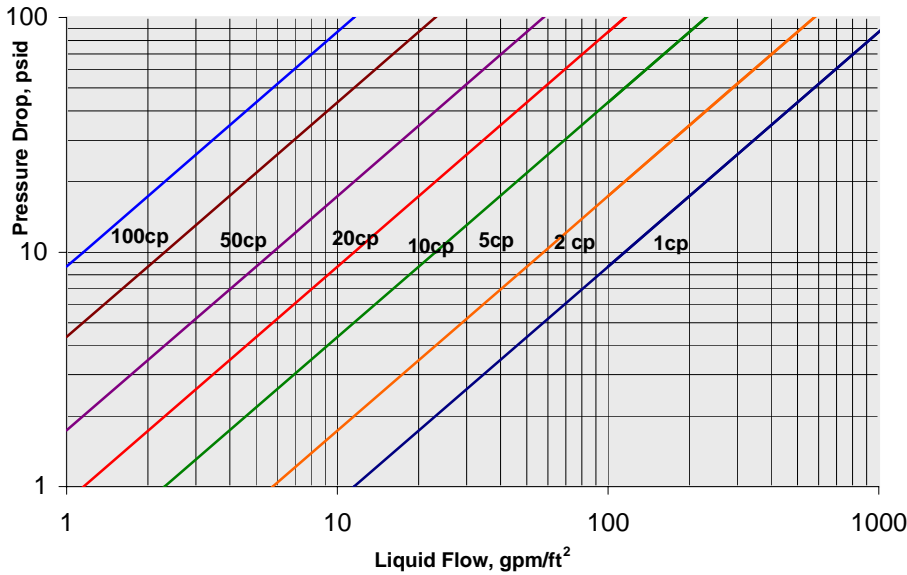
Liquid, K_L 1.4
 Gas, K_G 5.3

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

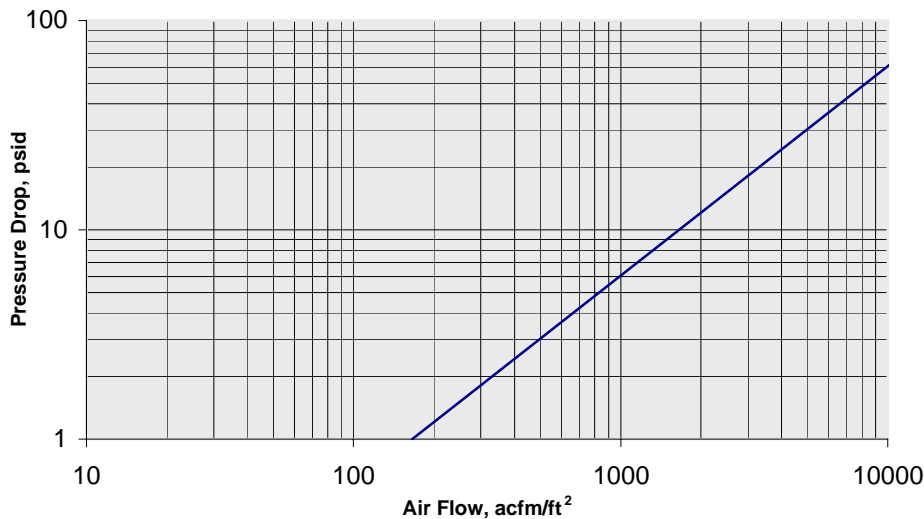
Liquid Efficiency Testing per ASTM F795
 Tested at 1 gpm/ft²
 90% at 10 μm
 99% at 15 μm
 99.9% at 20 μm

Air Efficiency Tested at flux of 6 acfm/ft²
 90% at 4.5 μm
 99% at 8 μm
 99.9% at 0.13 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

mott corporation

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

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