

Mott Porous Metal Data Sheet

Media Grade: 20
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 5.0 - 7.0
 Minimum Tensile, kpsi 5.1
 Yield Strength, kpsi 4.5
 Young's Modulus, x 10⁶ psi 2.3

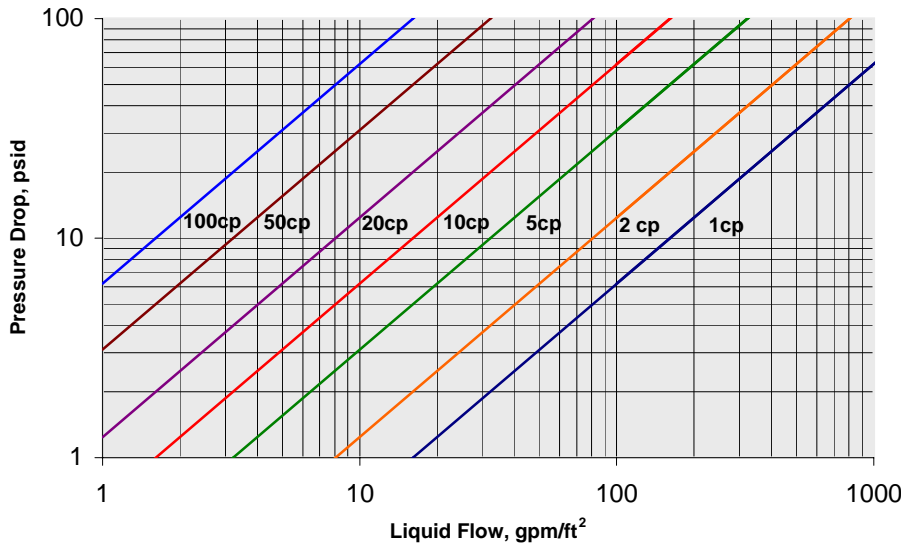
Permeability Coefficient

Liquid, K_L 1.0
 Gas, K_G 4.6
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)

Particle Removal Efficiency

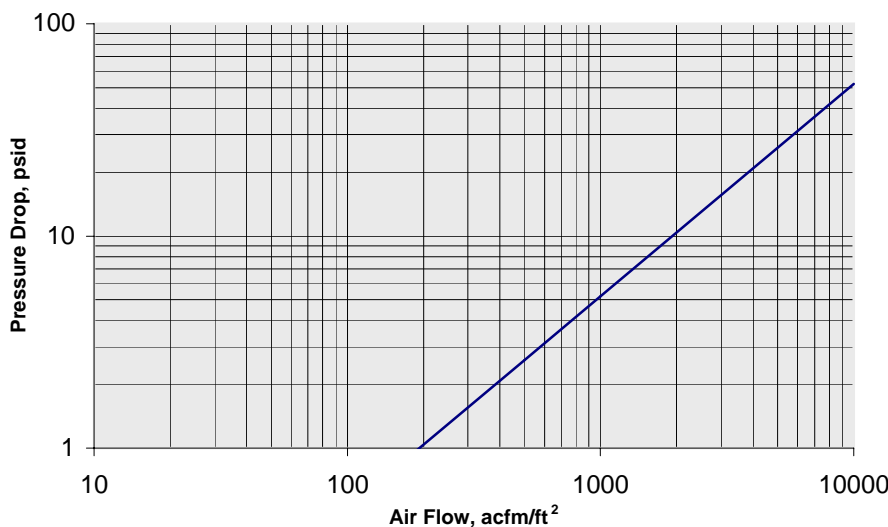
Liquid Efficiency Testing per ASTM F795
 Tested at 1 gpm/ft²
 90% at 20 μm
 99% at 25 μm
 99.9% at 35 μm

Air Efficiency Tested at flux of 6 acfm/ft²
 90% at 8 μm
 99% at 12 μm
 99.9% at 20 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.