

# Mott Porous Metal Data Sheet

**Media Grade:** 5  
**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 13.0 - 16.9  
 Minimum Tensile, kpsi 8.3  
 Yield Strength, kpsi 7.6  
 Young's Modulus, x 10<sup>6</sup> psi 3.7

### Permeability Coefficient

Liquid,  $K_L$  2.4  
 Gas,  $K_G$  11

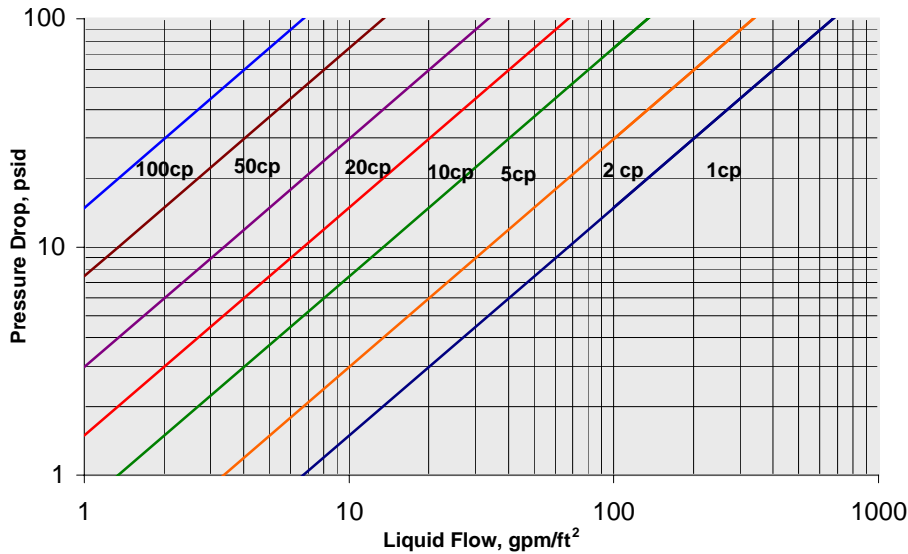
**Liquid: Pressure Drop, psid =**  
 $(K_L)(\text{Flux, gpm/ft}^2)(\text{Visc, cp})(\text{Thck, inch})$

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

### Particle Removal Efficiency

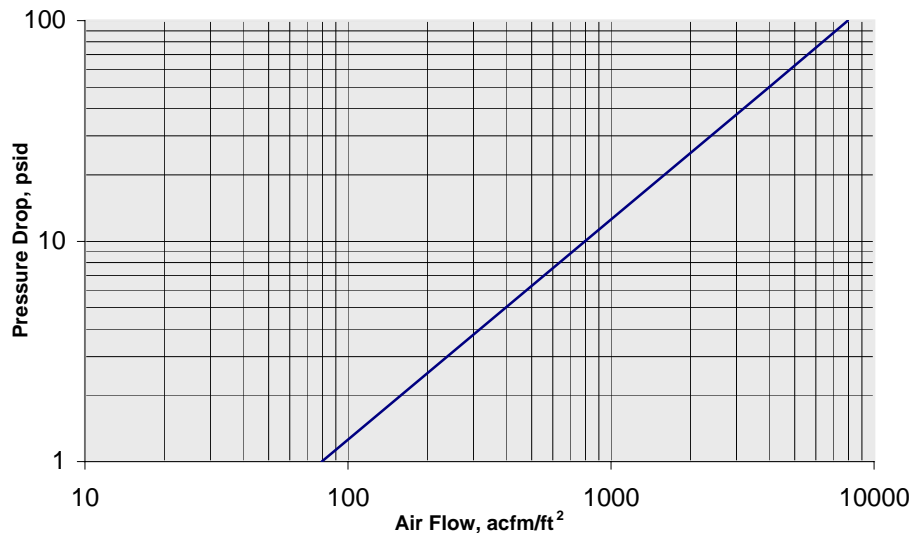
**Liquid Efficiency** Testing per ASTM F795  
 Tested at 1 gpm/ft<sup>2</sup>  
 90% at 5 μm  
 99% at 8 μm  
 99.9% at 13 μm

**Air Efficiency** Tested at flux of 6 acfm/ft<sup>2</sup>  
 90% at 0.8 μm  
 99% at 2 μm  
 99.9% at 5 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**

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*sheets are typical and should be used  
 for general reference only.*