

# Mott Porous Metal Data Sheet

**Media Grade:** 100  
**Type:** Iso Pressed Tube  
**Alloy:** 316LSS  
**Inside Diameter:** 0.314 inches  
**Outside Diameter:** 0.500 inches

**Issued:** 06/25/10

### Manufacturing Specifications

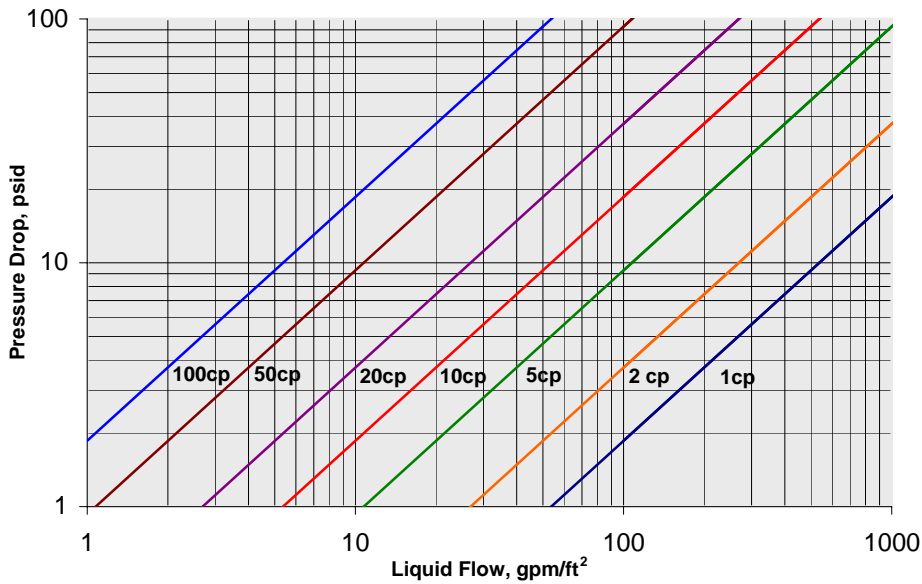
Bubble Point, inch water 0.5 - 1.5  
 Minimum Tensile, kpsi 1.2  
 Yield Strength, kpsi 0.9  
 Young's Modulus, x 10<sup>6</sup> psi 1.3

### Permeability Coefficient

Liquid, K<sub>L</sub> 0.20  
 Gas, K<sub>G</sub> 2.8  
*Liquid: Pressure Drop, psid =*  
*(K<sub>L</sub>)(Flux, gpm/ft<sup>2</sup>)(Visc, cp)(Thck, inch)*  
*Gas: Pressure Drop, psid =*  
*(K<sub>G</sub>)(Flux, acfm/ft<sup>2</sup>)(Visc, cp)(Thck, inch)*

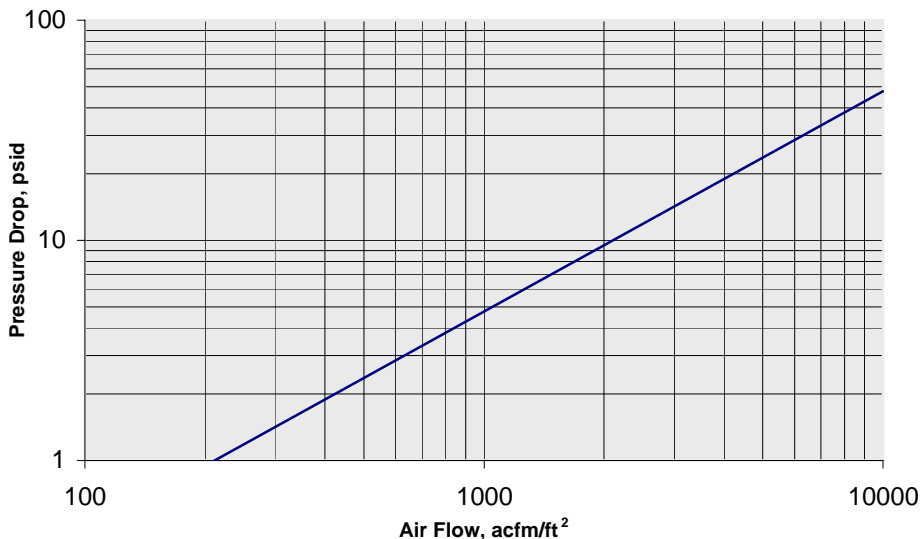
### Particle Removal Efficiency

**Liquid Efficiency** Testing per ASTM F795  
 Tested at 1 gpm/ft<sup>2</sup>  
 90% at 50 μm  
 99% at 100 μm  
 99.9% at 150 μm  
  
**Air Efficiency** Tested at flux of 6 acfm/ft<sup>2</sup>  
 90% at 20 μm  
 99% at 40 μm  
 99.9% at 100 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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*Flow Characteristics on these data sheets are typical and should be used for general reference only.*