

# Mott Porous Metal Data Sheet

**Media Grade:** 5  
**Type:** Rolled Sheet  
**Alloy:** 316LSS  
**Thickness:** 0.062 inches

**Issued:** 06/22/10

### Manufacturing Specifications

Bubble Point, inch water 13.0 - 16.9  
 Minimum Tensile, kpsi 9.2  
 Yield Strength, kpsi 8.5  
 Young's Modulus, x 10<sup>6</sup> psi 4.1

### Permeability Coefficient

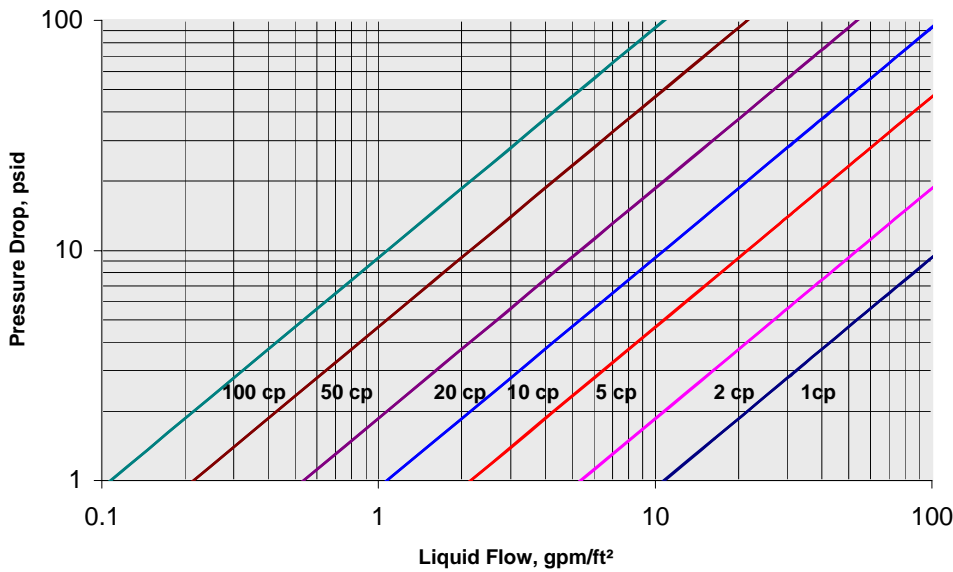
Liquid, K<sub>L</sub> 1.5  
 Gas, K<sub>G</sub> 15

**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

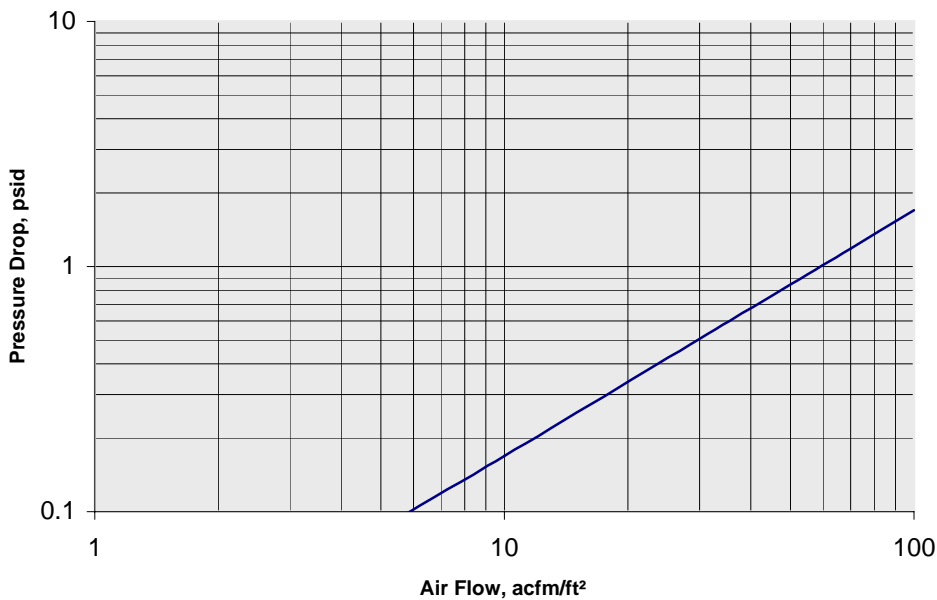
**Liquid Efficiency** Testing per ASTM F795  
 90% at 5 μm Tested at 1 gpm/ft<sup>2</sup>  
 99% at 8 μm  
 99.9% at 13 μm

**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
- 2 - Tests run with upstream pressure exhausting to atmosphere

**mott corporation**

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