

# Mott Porous Metal Data Sheet

**Media Grade:** 0.5  
**Type:** Rolled Sheet  
**Alloy:** 316LSS  
**Thickness:** 0.047 inches

**Issued:** 02/20/01  
**Revision:** 2

### Manufacturing Specifications

Bubble Point, in. of Hg 3 - 3.9  
 Tensile, kpsi 23.5  
 Yield Strength, kpsi 21.0

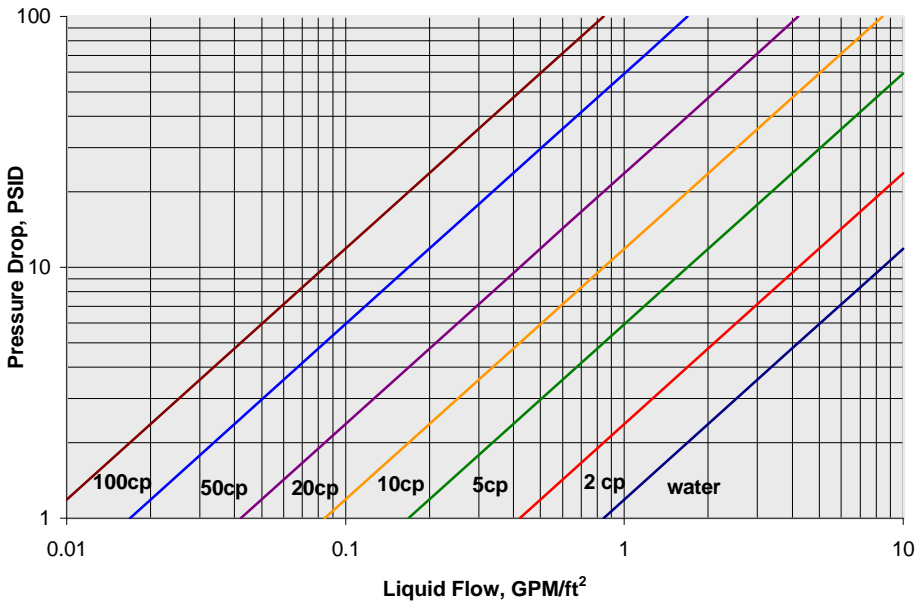
### Permeability Coefficient

Liquid,  $K_L^*$  30  
 Gas,  $K_G^{**}$  260

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

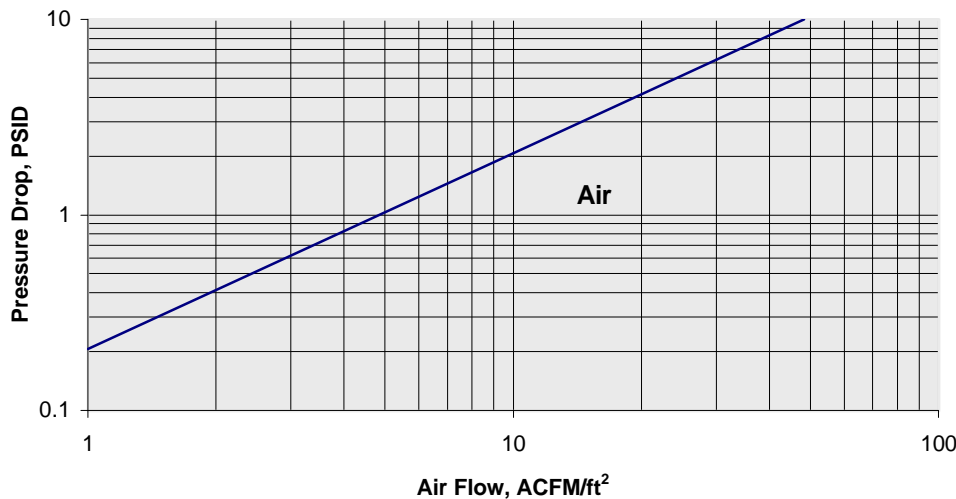
### Particle Removal Efficiency

**Liquid Efficiency**  
 90% at 1  $\mu\text{m}$   
 99% at 1.7  $\mu\text{m}$   
 99.9% at 2.2  $\mu\text{m}$   
**Air Efficiency**  
 90% > for all particle sizes  
 99% at 0.25  $\mu\text{m}$   
 99.9% at 0.3  $\mu\text{m}$



**Notes:**

- 1 - Tests run at 70 °F
- 2 - Tests run with water, other curves generated using Liquid Formula



**Notes:**

- 1 - Tests run at 70 °F
- 2 - Tests run with upstream pressure exhausting to atmosphere

**mott corporation**  
*Think of the possibilities*

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