

Mott Porous Metal Data Sheet

Media Grade: 0.2
Type: Rolled Sheet
Alloy: 316LSS
Thickness: 0.039 inches

Issued: 10/10/00
Revision: 1

Manufacturing Specifications

Bubble Point, in. of Hg 5 - 6.9
 Tensile, kpsi 30.0
 Yield Strength, kpsi 26.0

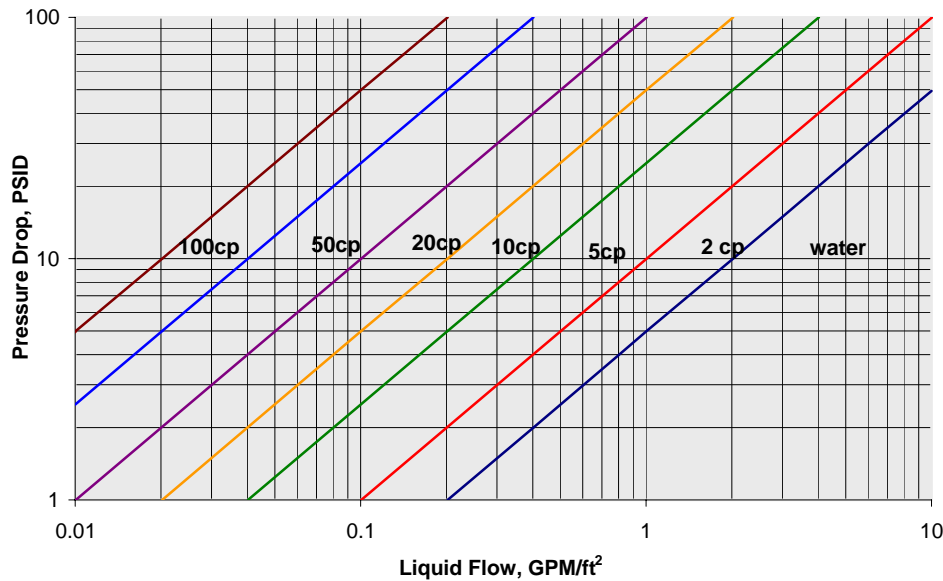
Permeability Coefficient

Liquid, K_L^* 140
 Gas, K_G^{**} 1400

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

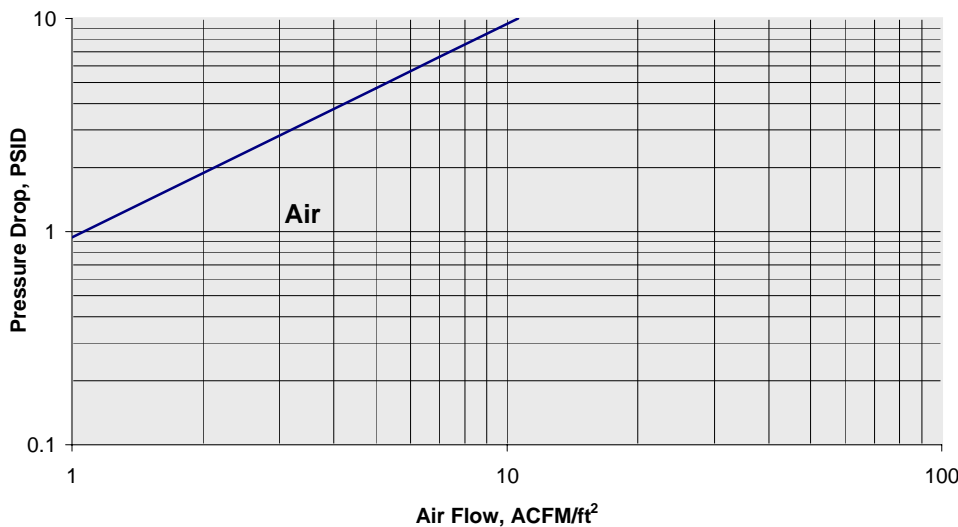
Particle Removal Efficiency

Liquid Efficiency
 90% at 0.5 μm
 99% at 0.9 μm
 99.9% at 1.4 μm
Air Efficiency
 90% > for all particle sizes
 99% > for all particle sizes
 99.9% at 0.2 μm



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

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