Mott Porous Metal Data Sheet

Media Grade: 0.2  
Type: Pressed Disc  
Alloy: 316LSS  
Thickness: 0.125 inches  
Issued: 06/25/10

Manufacturing Specifications
- Bubble Point, inch of Hg: 5.0 - 6.9
- Minimum Tensile, kpsi: --
- Yield Strength, kpsi: --
- Young’s Modulus, x 10^6 psi: --

Permeability Coefficient
- Liquid, \( K_L \): 20
- Gas, \( K_G \): 400

Particle Removal Efficiency
- Liquid Efficiency
  - 90% at 0.35 \( \mu \)m
  - 99% at 0.7 \( \mu \)m
  - 99.9% at 1.1 \( \mu \)m
- Gas Efficiency
  - Tested at flux of 6 acfm/ft^2
  - >99.9% for all particle sizes

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

Mathematical Formulas:
- **Liquid: Pressure Drop, psid** = \( (K_L)(Flux, \text{ gpm/ft}^2)(Visc, \text{ cp})(Thck, \text{ inch}) \)
- **Gas: Pressure Drop, psid** = \( (K_G)(Flux, \text{ acfm/ft}^2)(Visc, \text{ cp})(Thck, \text{ inch}) \)

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