**Mott Porous Metal Data Sheet**

**Media Grade:** 20  
**Type:** Pressed Disc  
**Alloy:** 316LSS  
**Thickness:** 0.062 inches  
**Issued:** 06/25/10

### Manufacturing Specifications
- **Bubble Point, inch water:** 5.0 - 7.0
- **Minimum Tensile, kpsi:** 4.5
- **Yield Strength, kpsi:** 2.9
- **Young’s Modulus, x 10^6 psi:** 2.3

### Permeability Coefficient
- **Liquid:** $K_L = 0.46$  
- **Gas:** $K_G = 7.6$

**Liquid: Pressure Drop, psid =**  
$(K_L)(Flux, gpm/ft^2)(Visc, cp)(Thck, inch)$

**Gas: Pressure Drop, psid =**  
$(K_G)(Flux, acfm/ft^2)(Visc, cp)(Thck, inch)$

### Particle Removal Efficiency
- **Liquid Efficiency:**  
  - 90% at 20 µm  
  - 99% at 25 µm  
  - 99.9% at 35 µm  
- **Air Efficiency:**  
  - 90% at 8 µm  
  - 99% at 12 µm  
  - 99.9% at 20 µm

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

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**Pressure drop, psid vs. Liquid Flow, gpm/ft²**

![Graph showing pressure drop vs. liquid flow](image)

**Pressure drop, psid vs. Air Flow, acfm/ft²**

![Graph showing pressure drop vs. air flow](image)

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

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**mott corporation**

84 Spring Lane, Farmington, CT 06032-3159  
860-747-6333  Fax 860-747-6739  
www.mottcorp.com

**Notes:**  
1 - Tests run with air at 70 °F  
2 - Tests run with upstream pressure exhausting to atmosphere