### Mott Porous Metal Data Sheet

**Media Grade:** 0.5  
**Type:** Iso Pressed Tube  
**Alloy:** 316LSS  
**Inside Diameter:** 0.375 inches  
**Outside Diameter:** 0.500 inches  
**Issued:** 06/25/10

#### Manufacturing Specifications
- **Bubble Point, inch of Hg:** 3.0 - 3.9
- **Minimum Tensile, kpsi:** 18.9
- **Yield Strength, kpsi:** 17.1
- **Young’s Modulus, x 10^6 psi:** 8.3

#### Permeability Coefficient
- **Liquid, $K_L$:** 20
- **Gas, $K_G$:** 154

#### Particle Removal Efficiency
- **Liquid Efficiency:** Testing per ASTM F795
  - 90% at 0.9 µm
  - 99% at 1.6 µm
  - 99.9% at 2 µm
- **Air Efficiency:** Tested at flux of 6 acfm/ft²
  - >90% for all particle sizes
  - >99% for all particle sizes
  - 99.9% at 0.25 µm

#### Flow Characteristics

**Liquid: Pressure Drop, psid =**  
\[(K_L)(\text{Flux, gpm/ft}^2)(\text{Visc, cp})(\text{Thick, inch})\]

**Gas: Pressure Drop, psid =**  
\[(K_G)(\text{Flux, acfm/ft}^2)(\text{Visc, cp})(\text{Thick, inch})\]

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

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

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