Mott Porous Metal Data Sheet

Media Grade: 20  
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 water: 5.0 - 7.0
- Minimum Tensile, kpsi: 5.1
- Yield Strength, kpsi: 4.5
- Young’s Modulus, x 10^6 psi: 2.3

**Permeability Coefficient**

- Liquid, $K_L$: 1.0
- Gas, $K_G$: 4.6

**Particle Removal Efficiency**

- **Liquid Efficiency**
  - 90% at 20 µm
  - 99% at 25 µm
  - 99.9% at 35 µm
  - Testing per ASTM F795
  - Tested at 1 gpm/ft²

- **Air Efficiency**
  - 90% at 8 µm
  - 99% at 12 µm
  - 99.9% at 20 µm
  - Tested at flux of 6 acfm/ft²

**Notes:**

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

---

**Flow Characteristics**

Liquid: Pressure Drop, psid =

\[(K_L)(\text{Flux, gpm/ft}^2)(\text{Visc, cp})(\text{Thck, inch})\]

Gas: Pressure Drop, psid =

\[(K_G)(\text{Flux, acfm/ft}^2)(\text{Visc, cp})(\text{Thck, inch})\]

---

**Notes:**

1. Tests run with air at 70 °F

---

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.*