### Mott Porous Metal Data Sheet

**Media Grade:** 2  
**Type:** Pressed Cups  
**Alloy:** 316LSS  
**Outer Diameter:** 0.5 inches  
**Inner Diameter:** 0.250 inches  
**Length:** 1.0 inches

#### Manufacturing Specifications
- **Bubble Point, inch water:** 17.0 - 24.0
- **Minimum Tensile, kpsi:** 12.8
- **Yield Strength, kpsi:** 7.2
- **Young’s Modulus, x 10^6 psi:** 5.1

#### Permeability Coefficient
- **Liquid:** $K_L$  
- **Gas:** $K_G$

#### Particle Removal Efficiency
- **Liquid Efficiency**
  - 90% at 3.5 µm  
  - 99% at 5 µm  
  - 99.9% at 8 µm
- **Air Efficiency**
  - 90% at 0.2 µm  
  - 99% at 0.4 µm  
  - 99.9% at 1.3 µm

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

### Flow Characteristics

#### Liquid: Pressure Drop, psid

$$\text{Pressure Drop, psid} = (K_L)(\text{Flux, gpm/ft}^2)(\text{Visc, cp})(\text{Thck, inch})$$

#### Gas: Pressure Drop, psid

$$\text{Pressure Drop, psid} = (K_G)(\text{Flux, acfm/ft}^2)(\text{Visc, cp})(\text{Thck, inch})$$

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