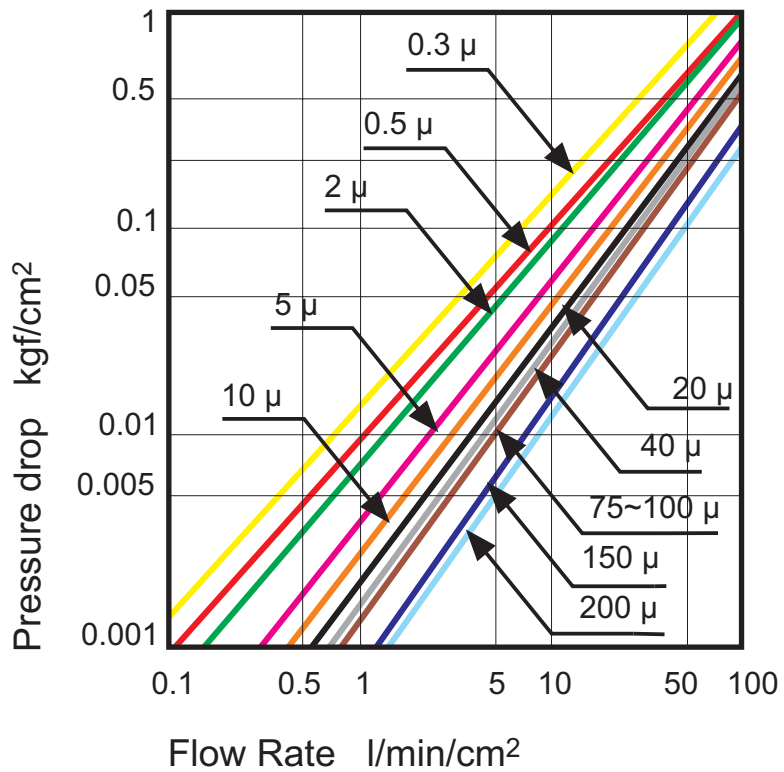
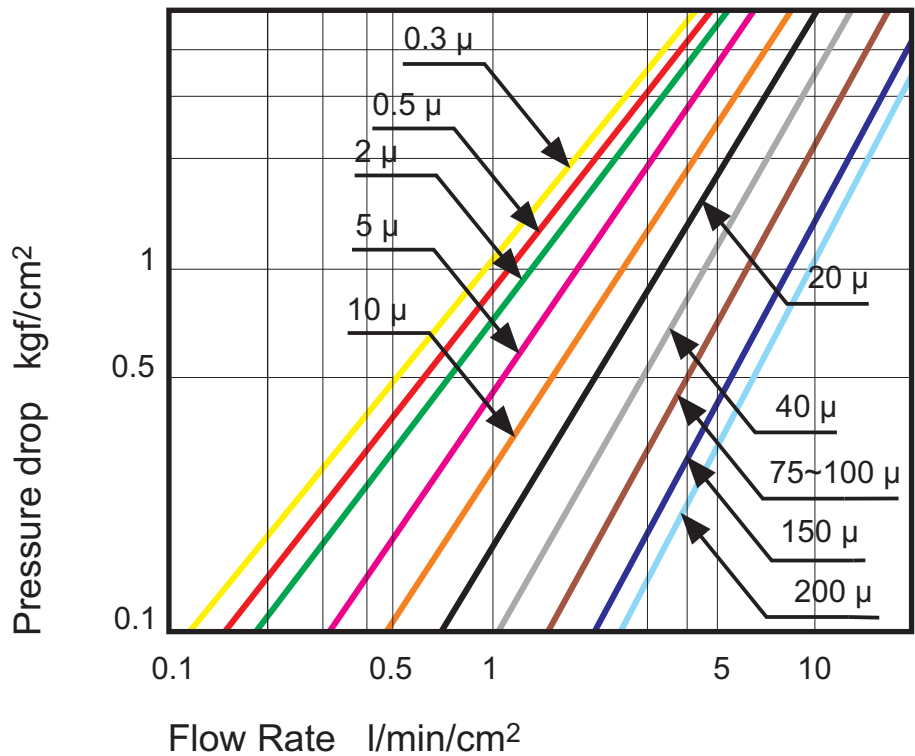


# Datasheet Sintered Mesh - Flow Rates Air / Water / Oil

**AIR\***  
(21°C)



**PURE WATER\***  
(21°C)



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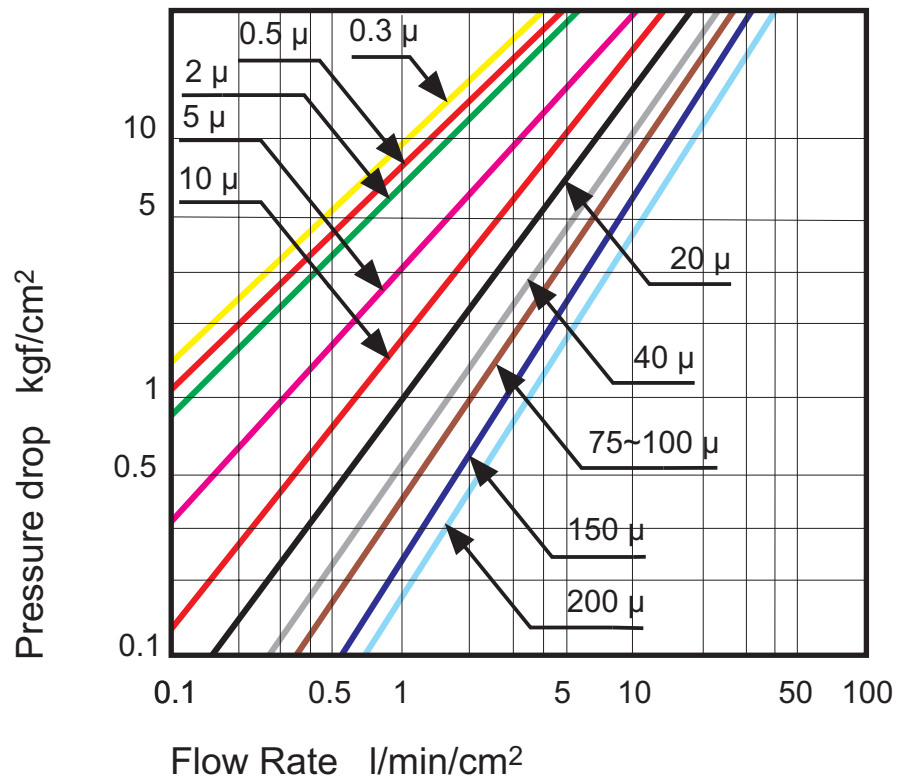
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\* The information contained in this document is for information purposes only.  
 1 kgf/cm<sup>2</sup> = 10000 mmH<sub>2</sub>O

# Datasheet Sintered Mesh - Flow Rates Air / Water / Oil

**TURBINE OIL\***  
 (#VG32,40°C)



## Main Technical Specifications

Nominal rating (μm)	Absolute rating 98% (μm)	Porosity (%)	Mean Bubble point Pressure (mmH2O)	Pressure Coefficient	
				Viscous Resistance (α)	Inertia Resistance (β)
2	8~9	5 layers (38)	280~640	$14 \times 10^5$	0.3
5	12~14		250~600	$12 \times 10^5$	0.3
10	16~18		220~550	$7 \times 10^5$	0.1
20	28~32		180~450	$4 \times 10^5$	0.1
40	58~63	6 layers (48)	150~400	$4 \times 10^5$	0.1
75			70~130	$2 \times 10^5$	0.08
100			60~110	$2 \times 10^5$	0.08

$$\Delta P = 1.67 \times 10^{-5} \times \alpha \times (\mu \times Q) / A + \beta \rho \times (Q/A)^2 \quad (*)$$

- ΔP Pressure drop
- μ Viscosity coefficient
- ρ density (g/cm<sup>3</sup>)
- Q Flow rate (L/min.)
- A Sintered mesh area (cm<sup>2</sup>)

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