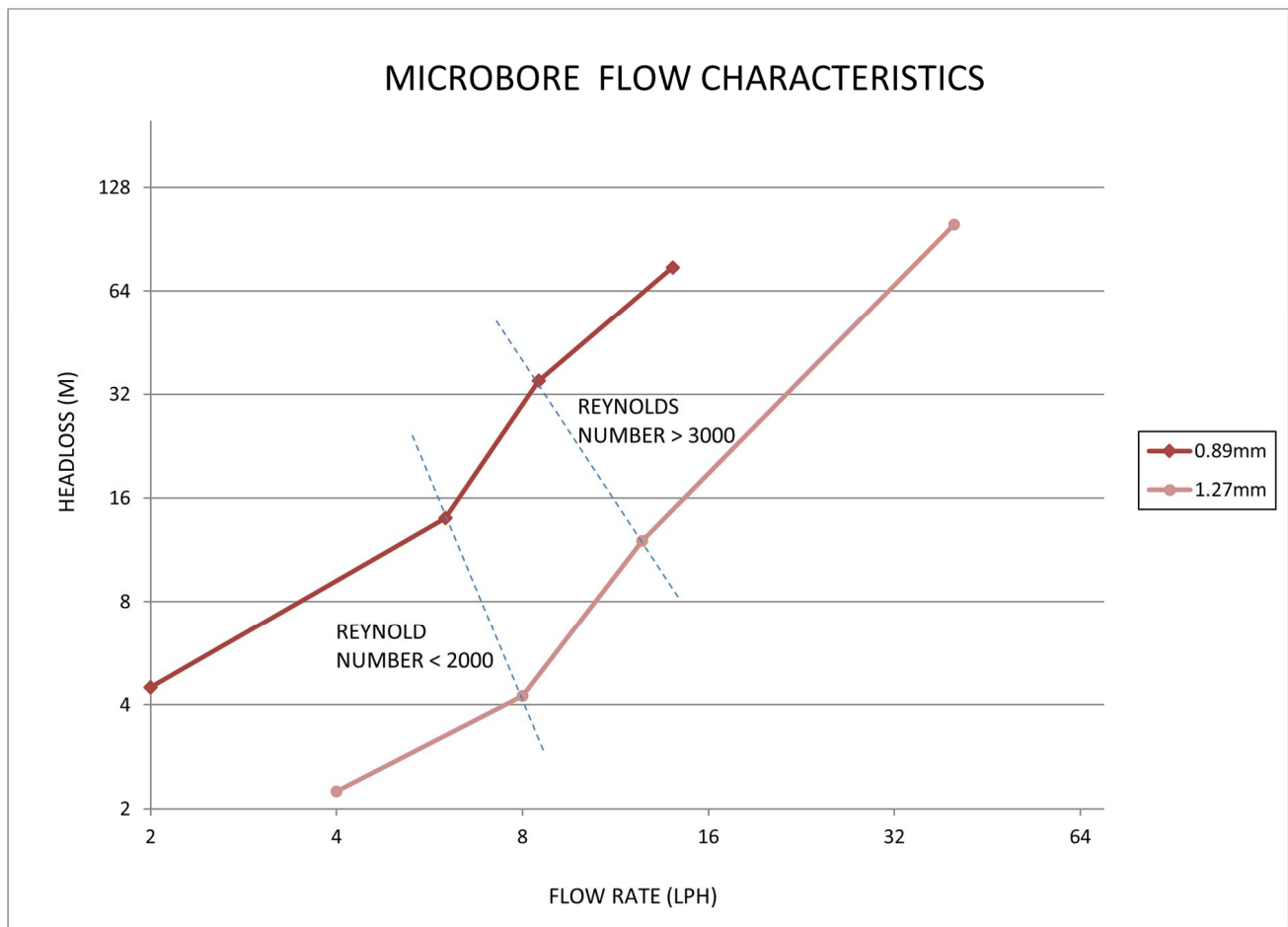


Microbore Flow Characteristics

To determine pressure required to generate the flow that you require, you must:

- 1) Select your flow rate then draw a line up to the size of microbore you want to use, then draw a line to the left
- 2) This is the pressure you require to have at the microbore input end to get the required flow rate.
- 3) The graph is based on a one metre length. If you require a shorter tube it is simply a matter of multiplying the pressure per metre by the number of metres you are using
e.g. 1.27mm Microbore, require 4lph @ 0.6m long
 $0.6m \times 2.25mH = 1.35mH$



Note:

- 1) For turbulent flow (RN > 3000) headloss is calculated from Lamonts smooth pipe flow formula S3
- 2) For laminar flow (RN < 2000) headloss is calculated from Poiseuille equation
- 3) Water temperatures assumed = 15°C
- 4) An allowance for variation in internal diameter should always be factored into calculations

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