

# PVC-0 Series 1 Flow Chart for Water @ 12.5°C

**EXPLANATION OF UNITS**

- Re = Reynolds No.
- Q = Flow rate (Litres per second)
- i = Hydraulic Gradient
- V = Flow Velocity (metres per second)
- d = Mean Pipe Internal Diameter (mm)

**LAMONT FORMULA S4 (Re>300000)**

$$Q = \frac{d^{2.629} i^{0.543}}{1791}$$

$$V = 0.711 d^{0.629} i^{0.543}$$

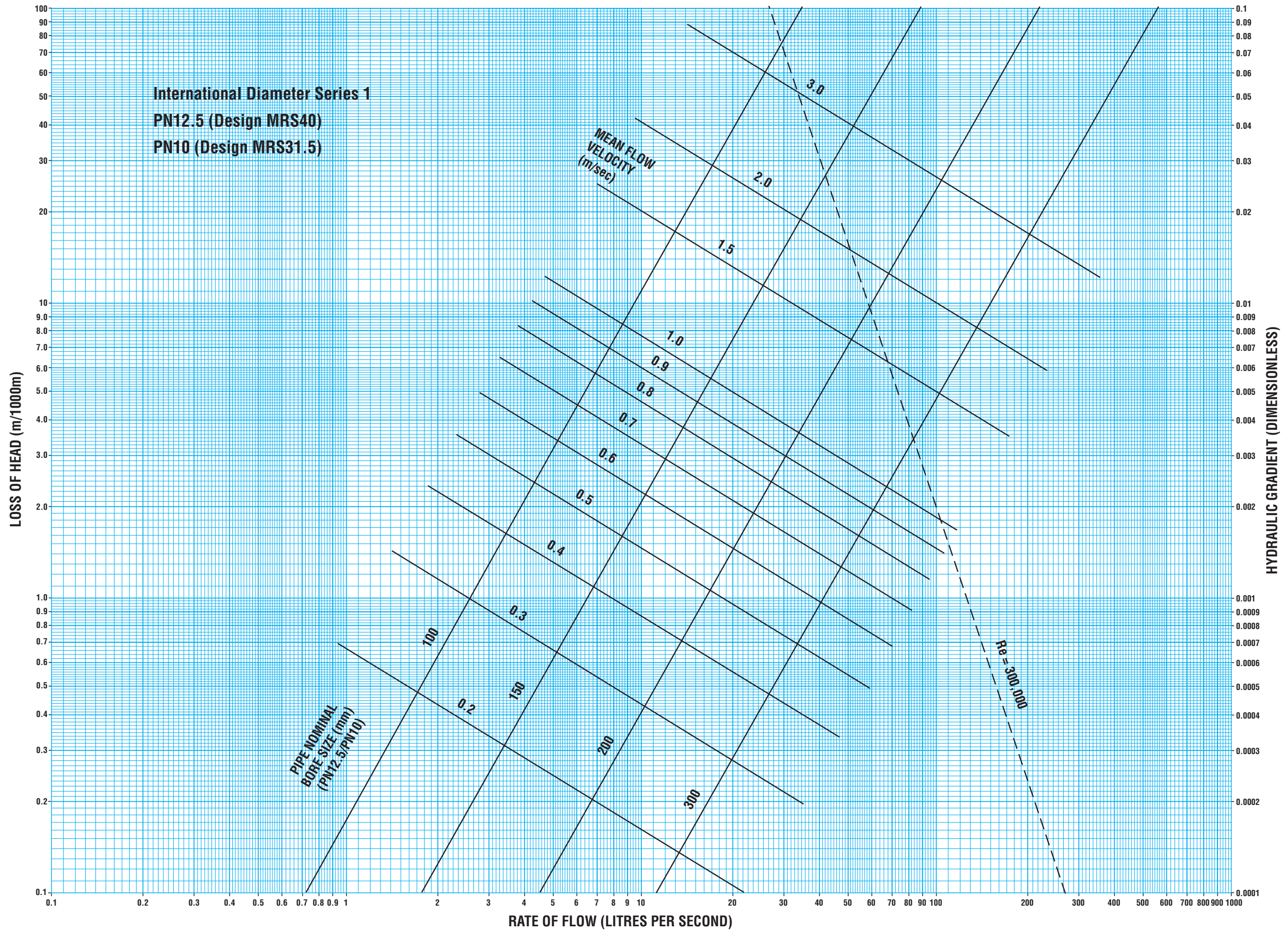
$$i = \frac{979618 Q^{1.842}}{d^{4.842}}$$

**LAMONT FORMULA S3 (3000<Re<300000)**

$$Q = \frac{d^{2.6935} i^{0.5645}}{2304}$$

$$V = 0.55254 d^{0.6935} i^{0.5645}$$

$$i = \frac{905032 Q^{1.772}}{d^{4.772}}$$





# APOLLO™ PVC-O SERIES 1 PRESSURE PIPE FLOW CHART



## Iplex Pipelines NZ Limited Civil Product Range

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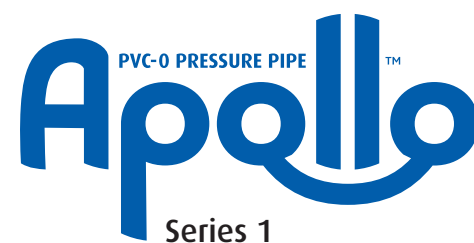
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**Version 2**  
This version supersedes all previous versions or editions of this flow chart.

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