

IPEX EFFLUENT PIPE FLOW CHART

LAMONT FORMULA S3 (3000 <math>< R < 3000000</math>)

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

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

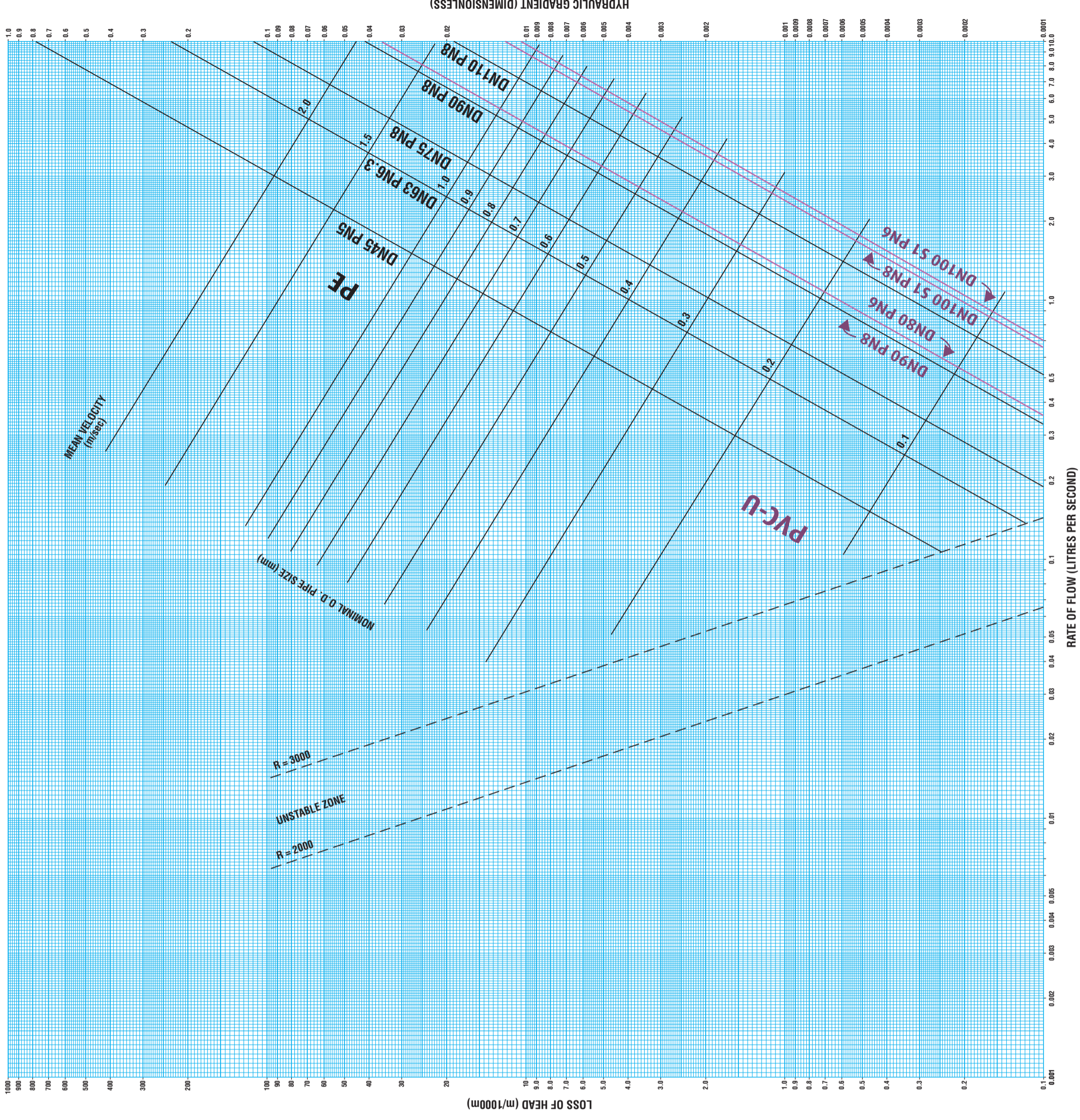
$$i = \frac{905032 Q^{1.772}}{d^{4.772}}$$

Explanation of Units

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

NOTE: This chart should be used as a guide only. It is based on a clean pipe bore carrying water at 12.8°C. Solids in suspension and sliming effects in the pipe may reduce the flow slightly.

All designs should be checked from first principles, based upon the above equations.





Iplex Pipelines NZ Limited Rural Product Range

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EFFLUENT PIPE FLOW CHART



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Version 2

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

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