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Pipeline Pressure Loss

The first form calculates the [pressure](#) or [friction loss](#) along a given length of pipeline with a specified inside diameter. The second form calculates the minimum pipe size to limit pressure loss to a specified value.

Additional [pressure](#) losses can occur due to fittings, which add an extra length to the total pipeline. The [pressure](#) losses can be estimated using the [fitting pressure loss calculator](#), which gives an equivalent pipe length to add to the overall pipeline length.

[Learn more about the units used on this page.](#)

Pressure/Friction Loss

Flow Rate In The Pipe:

1.45 lps

Pipe Inside Diameter:

48.5 mm

Pipe Length:

6000 m

Pipe Material:

Plastic

Calculate

Pressure Loss:

83.91 m of water

Minimum Pipe Size

Flow Rate In The Pipe:

gpm

Pipe Length:

ft

Pipe material

Plastic

Maximum Allowable Pressure Loss:

psi

Calculate

Minimum Pipe Size:

in

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