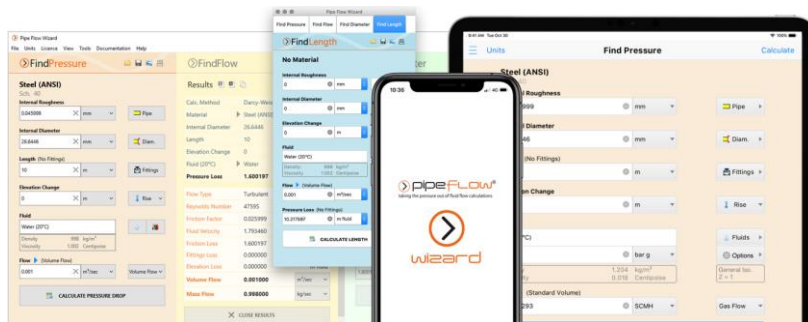


SOFTWARE OVERVIEW

Pipe Flow Wizard is a software application that helps engineers to calculate flow rates, pressure losses, and pipe diameters.

It calculates results for an individual pipe, allowing for the inclusion of valves, fittings, bends, and changes in elevation.



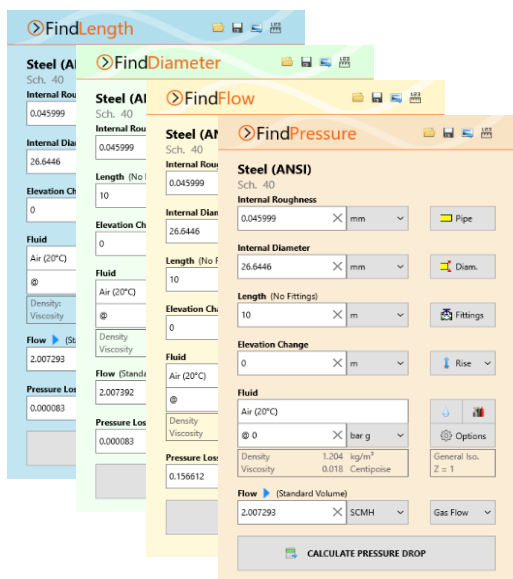
LIQUID & GAS CALCULATIONS

Pipe Flow Wizard allows users to quickly and easily perform 'What If?' calculations to:

- Find Pressure Drop
- Find Flow Rate
- Find Diameter
- Find Length

The software contains a non-compressible calculation engine for liquids, based on Colebrook-White friction factors and the Darcy-Weisbach equation.

It also has a compressible isothermal gas flow calculation engine that comes with the ability to use the General Flow, Complete Isothermal, IGT, AGA, Panhandle A, Panhandle B, and Weymouth equations.



PIPES & FITTINGS

The Pipe Flow Wizard software comes with a standard database of fluids, pipe materials, pipe sizes & pipe fittings.

Users can also add their own fluids, pipes, and fittings.

MULTI-PLATFORM

PCs, Macs, iPads, & iPhones.



Calculate results using your mobile device or in the office using your Mac or PC.

- Quick Calculations
- Create PDF Reports
- Create Excel Reports
- Share & Send Results

The user interface and data files are consistent across all platforms allowing ease of use and sharing across devices.

Create and send PDF reports containing detailed result data, direct from your mobile.

FREE TRIAL

For Windows and Mac:
www.pipeflow.com/wizard

For iPad & iPhone:



SOFTWARE LICENSE

Licenses for desktop computers are separate to licenses for mobile devices.

Windows & Mac licenses:
Buy at PipeFlow.com

iPad and iPhone licenses:
Buy on the App Store

Pipe Flow Software is used in over 100 countries worldwide.

Customer Testimonials:

"Great Software, Superlative Service"

National Research Council, Canada

RESULTS & REPORTS

The Pipe Flow Wizard software can display results for:

- Flow Type
- Reynolds Number
- Friction Factor
- Friction Loss
- Fitting Loss
- Elevation Loss
- Fluid Velocity
- Entry / Exit Pressure
- Entry / Exit Flow
- Calculated Pressure Drop
- Calculated Flow (Volume & Mass)
- Calculated Pipe Diameter
- Calculated Pipe Length

Expandable sub sections make it easy to configure and customize the results you display.

Pipe Flow Wizard allows you to create and share professional Excel and PDF reports.



RESULTS VERIFICATION

The Find Pressure, Find Flow, Find Diameter and Find Length results produced by the Pipe Flow Wizard software have been verified against published data from over 50 separate calculation problems, and these are available in a PDF document on the Results Verification menu.

SAVE TIME AND AVOID HEADACHES

Get rid of the headache that comes with setting up complicated spreadsheets and avoid calculation errors.

Pipe Flow Wizard will save you time and give others confidence in your documented calculation results.

FindPressure
📁 📄 📧 123

Results
✕

Calc. Method	Darcy-Weisbach	
Material	Steel (ANSI)	
Schedule / Class	Sch. 40	
Internal Roughness	0.045999	mm
Nominal Size	25	mm
Internal Diameter	26.6446	mm
Length	100.00	m
Elevation Change	0.00	m
Fluid	Water	
Temperature	20.0	°C
Density	998.0000	kg/m ³
Viscosity	1.0020	Centipoise
Volume Flow	4.0000	m³/hour
Mass Flow	3992.0000	kg/hour

Flow Type	Turbulent	
Reynolds Number	52884	
Friction Factor	0.025709	
Fluid Velocity	1.99	m/sec
Friction Loss	1.911956	bar
Fittings Loss	4 ▾ 0.195576	bar
Total Entry Loss	0.195576	bar
Total Entry K	9.87	
	25mm x 3 K 2.07 (0.69 x 3)	
	25mm x 1 K 7.80 (7.80 x 1)	
Elevation Loss	0.00	bar
Pressure Drop	2.107533	bar ▾