



Pipe Flow Wizard 2.1.3

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Pipe details		Metric ☒ Imperial ☐		Results (Find pressure)	
Internal roughness	0.046 mm	Pipe material	steel	Flow type	Turbulent
Internal diameter	25.000 mm 			Reynold's number	84544
Length	10.000 m 			Friction factor	0.025
Elevation change	0.000 m Rise			Fluid velocity	3.395 m/s
Flow 	100.000 litre/min			Pressure drop	5.831 m hd
<input <img="" alt="water icon" data-bbox="248 884 268 898" type="text" value="Water @ 20°C (68°F)"/> 				Calculate pressure drop	
Centistokes	1.004000			    	
Relative density	0.998000				

The screenshot displays the Pipe Flow Wizard software interface, which is used for calculating pipe flow parameters. The interface is divided into four main calculation scenarios, each with its own set of input fields and results.

Top Bar: The title bar reads "Pipe Flow Wizard" and "www.pipeflow.co.uk". Below it, there are tabs for "Registration", "Layout", and "Help". A status bar at the top right indicates "Registered copy: Licensed by www.pipeflow.co.uk".

Scenario 1: (Find pressure)

- Pipe details:** Internal roughness: 0.001811 inch; Pipe material: steel; Internal diameter: 2.000 inch; Length: 50.000 ft; Elevation change: 0.000 ft; Flow: 100.000 gpm-USA; Water @ 20°C (68°F); Centistokes: 1.004; Relative density: 0.998.
- Results (Find pressure):** Flow type: ; Reynold's number: ; Friction factor: ; Fluid velocity: ft/s; Pressure drop: ft hd.

Scenario 2: (Find flow)

- Pipe details:** Internal roughness: 0.001811 inch; Pipe material: steel; Internal diameter: 2.000 inch; Length: 50.000 ft; Elevation change: 0.000 ft; Available pressure: 10.000 ft hd; Water @ 20°C (68°F); Centistokes: 1.004; Relative density: 0.998.
- Results (Find flow):** Flow type: ; Reynold's number: ; Friction factor: ; Fluid velocity: ft/s; Flow: gpm-USA.

Scenario 3: (Find diameter)

- Pipe details:** Internal roughness: 0.001811 inch; Pipe material: steel; Length: 50.000 ft; Elevation change: 0.000 ft; Available pressure: 10.000 ft hd; Water @ 20°C (68°F); Centistokes: 1.004; Relative density: 0.998.
- Results (Find diameter):** Flow type: ; Reynold's number: ; Friction factor: ; Fluid velocity: ft/s.

Scenario 4: (Find length)

- Pipe details:** Internal roughness: 0.001811 inch; Pipe material: steel; Internal diameter: 2.000 inch; Elevation change: 0.000 ft; Available pressure: 10.000 ft hd; Water @ 20°C (68°F); Centistokes: 1.004; Relative density: 0.998.
- Results (Find length):** Flow type: ; Reynold's number: ; Friction factor: ; Fluid velocity: ft/s.

Each scenario includes a "Calculate" button and a "Reset" button. The interface also features a "Metric" and "Imperial" unit toggle at the top of each scenario's input section.



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