

Steady-State Fluid Flow

A specific type of [Fluid flow](#) under a [steady-state](#) conditions for [pressure](#):

$$(1) \quad \frac{dp}{dt} = 0$$

meaning that [pressure](#) stays constant in time: $p(t) = \text{const}$

See also

[Physics](#) / [Mechanics](#) / [Continuum mechanics](#) / [Fluid Mechanics](#) / [Fluid Dynamics](#) / [Fluid flow](#)

[[Plane Poiseuille flow](#)] [[Pipe Poiseuille flow](#)]