

# Strongly Compressible Fluid

Compressible Fluid with [Fluid Compressibility](#) depending on [pressure](#)  $p$ :

$$(1) \quad \frac{\partial c}{\partial p} \neq 0$$

This is equivalent to [fluid compressibility factor](#) having non-linear dependence on pressure:

$$(2) \quad \frac{\partial Z}{\partial p} \neq \text{const}$$

All [gases](#) and [liquid petroleum hydrocarbons](#) are [Strongly Compressible Fluids](#).

## See also

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

[ [Compressibility](#) ] [ [Incompressible matter](#) ] [ [Incompressible flow](#) ]

[ [Slightly Compressible Flow](#) ]