

Compressible fluid

The [fluid](#) which [density](#) is dependent on [pressure](#) p :

$$(1) \quad \rho = \rho(T, p)$$

which is equivalent to non-zero [compressibility](#):

$$(2) \quad c(T, p) = \frac{1}{\rho} \frac{d\rho}{dp} \neq 0$$

where

T	Temperature
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It is opposite to [Incompressible fluid](#) which [density](#) does not depend on [pressure](#).

See also

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

[[Incompressible matter](#)] [[Incompressible fluid](#)]

[[Incompressible flow](#)]