

# Vapour Quality

@wikipedia

A mass fraction of the [vapour](#) in a [fluid mixture](#):

$$(1) \quad x = \frac{m_g}{m}$$

where

|                 |   |
|-----------------|---|
| $m_g$           | mass of <a href="#">vapour</a> in <a href="#">fluid mixture</a> |
| $m_l$           | mass of <a href="#">liquid</a> in <a href="#">fluid mixture</a> |
| $m = m_l + m_g$ | total mass of <a href="#">fluid mixture</a>                     |

## See also

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[Natural Science](#) / [Physics](#) / [Thermodynamics](#) / [Thermodynamic system](#) / [Thermodynamic equilibrium](#) / [Phase Equilibrium](#) / [Vapour Liquid Equilibrium \(VLE\)](#) / [Vapour Liquid Envelope](#)

[ [State of matter](#) ][ [Pure substance](#) ] [ [Mixtures](#) ][ [Fluid Mixtures](#) ][ [Phase](#) ][ [Liquid Quality](#) ]

[ [Dew Point Curve](#) ][ [Bubble Point Curve](#) ]