

Isobaric Heat Capacity = Cp

@wikipedia

Amount of [heat](#) to be supplied to a given amount of a material under a constant [pressure](#) to produce a unit change in its [temperature](#):

$$C_p = \left(\frac{\delta Q}{\delta T} \right)_p$$

[Isobaric Heat Capacity](#) C_p is proportional to the amount of the matter involved in a [Heat Transfer](#) process and as such is not a [material property](#).

One can relate it to [material properties](#) through the known material [mass](#) m or a material [volume](#) V :

(1) $C_p = m \cdot c_{mp} = V \cdot c_{vp}$	
c_{mp}	Isobaric specific heat capacity
c_{vp}	Isobaric volumetric heat capacity

See also

[Physics](#) / [Thermodynamics](#) / [Thermodynamic process](#) / [Heat Transfer](#) / [Heat Capacity](#)

[[Heat](#)] [[Isochoric heat capacity](#)]

[[Specific heat capacity](#)] [[Volumetric Heat Capacity](#)]