Cours de Génie Climatique

Vidéo n°4

CTA 2 : transformations

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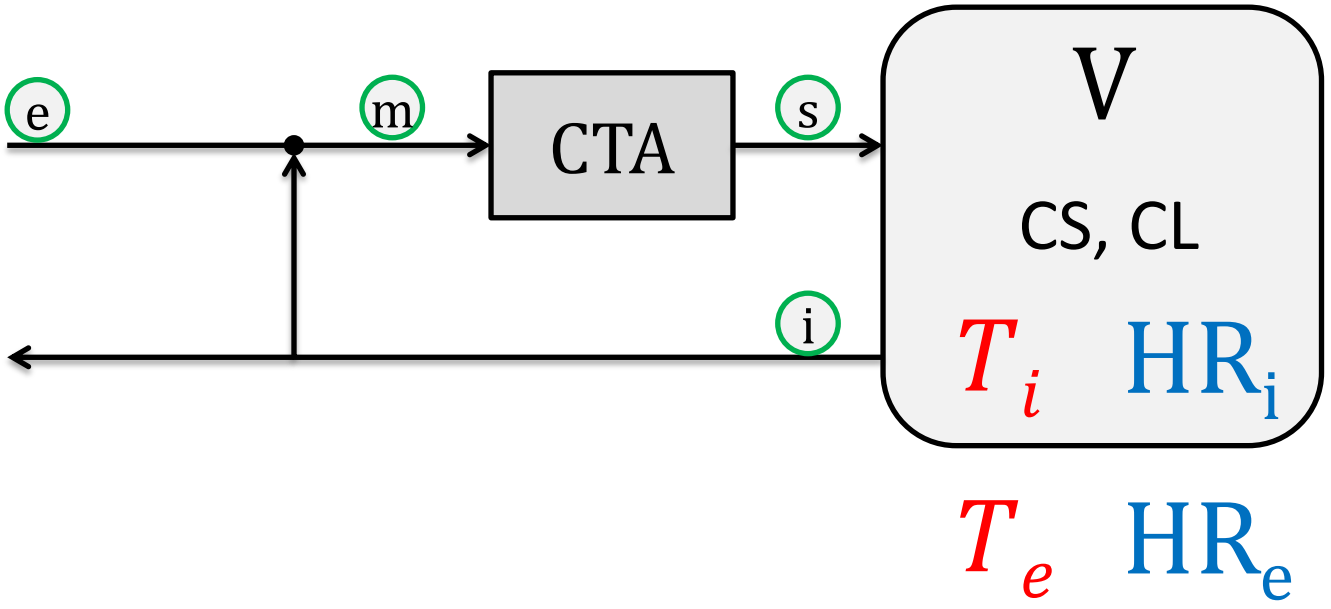
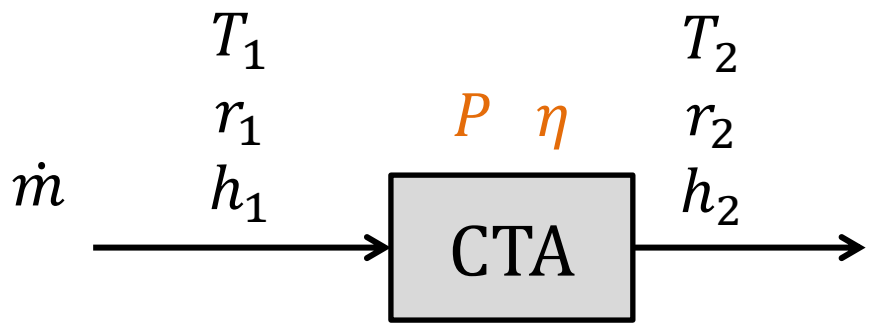
vidéo réalisée le 23/11/15



1) Identifier les besoins → CS, CL
2) Conditions de soufflage → s
3) Dimensionner la CTA → $m \rightarrow s$
4) Proportions du mélange → $e + i \rightarrow m$



Air de mélange
ou
Tout air neuf

Air de soufflage

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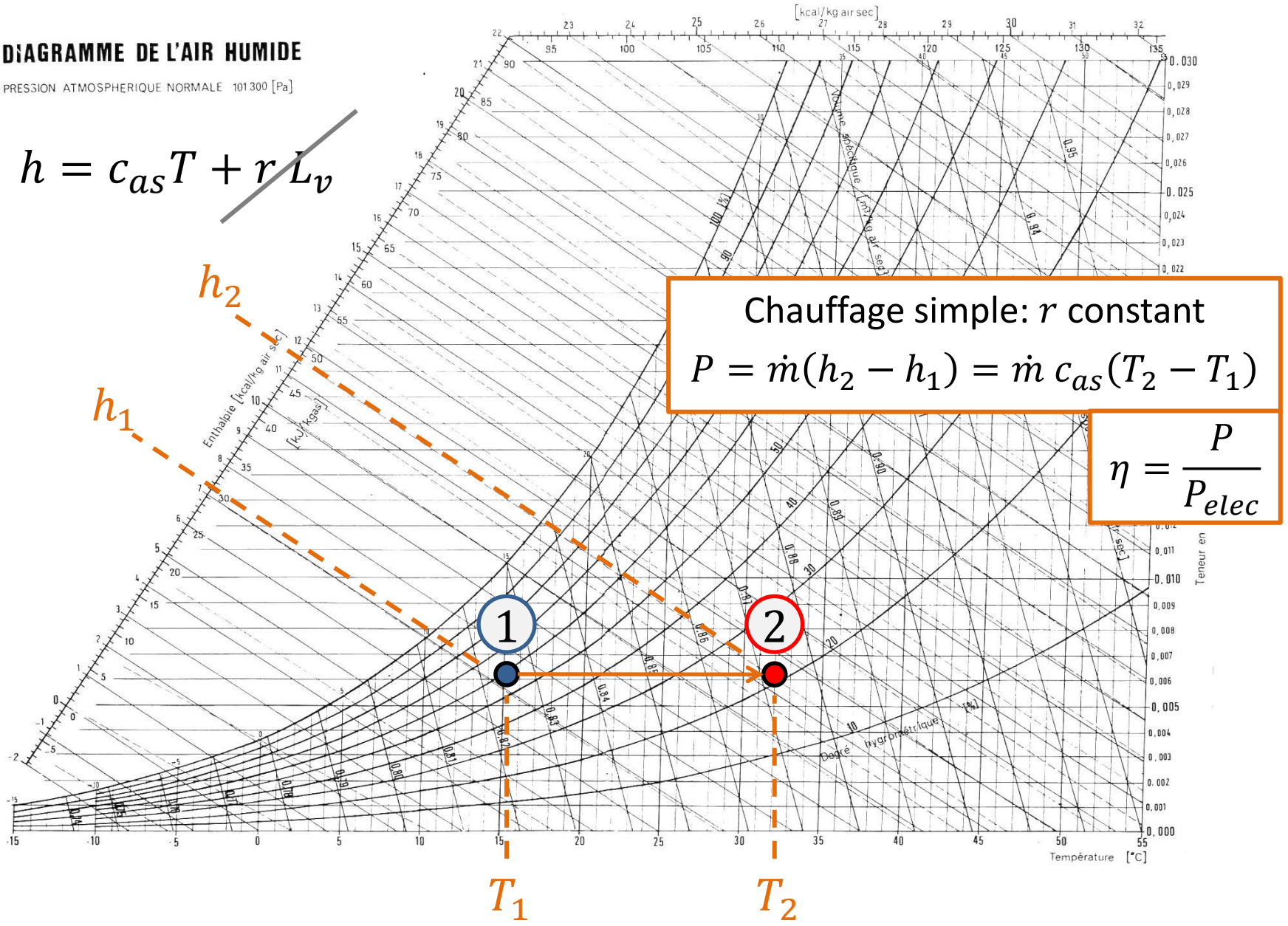

$$h = c_{as}T + r\,L_v$$

Chauffage simple: r constant

$$P = \dot{m}(h_2 - h_1) = \dot{m}\, c_{as}(T_2 - T_1)$$

$$\eta = \frac{P}{P_{elec}}$$

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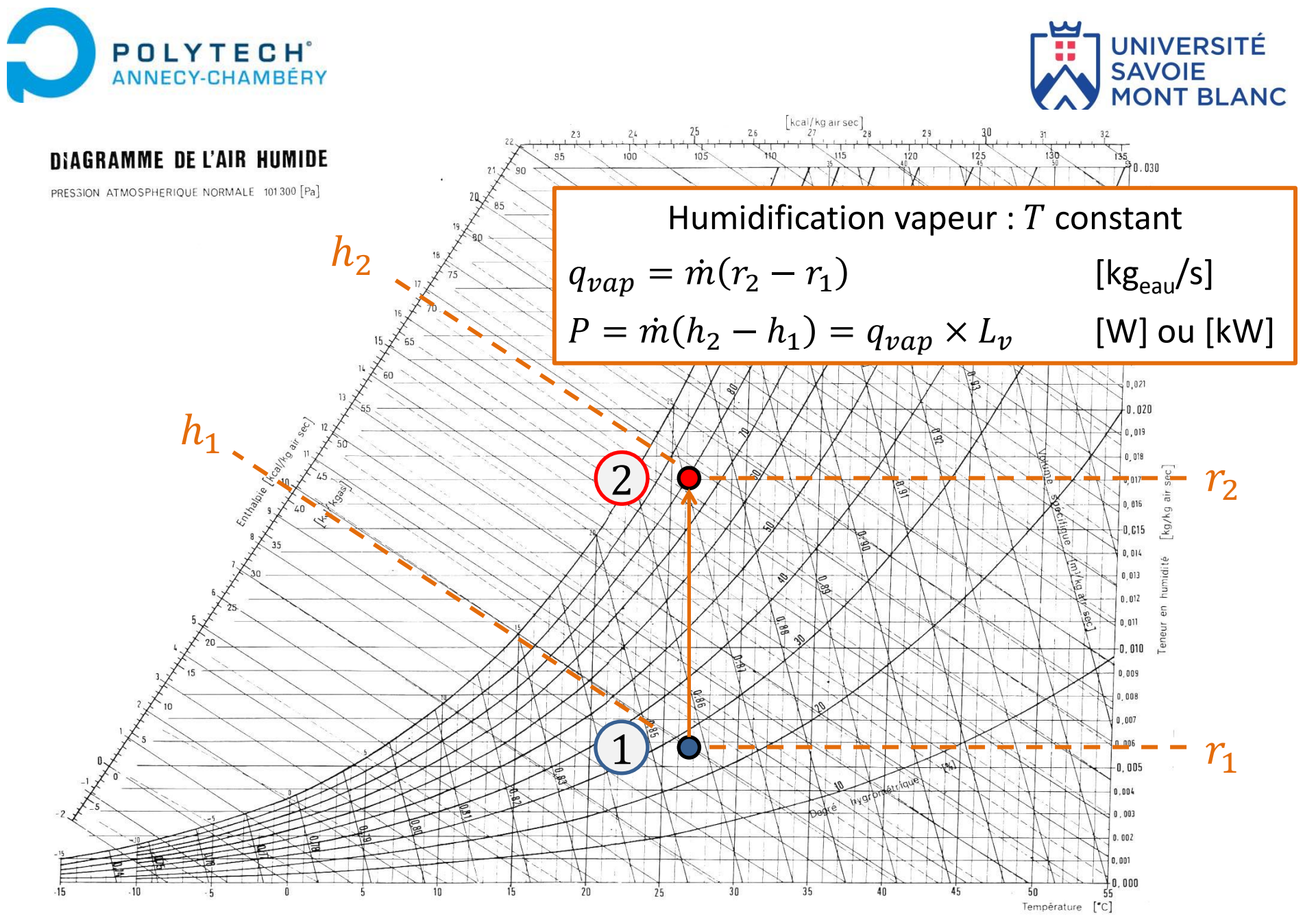

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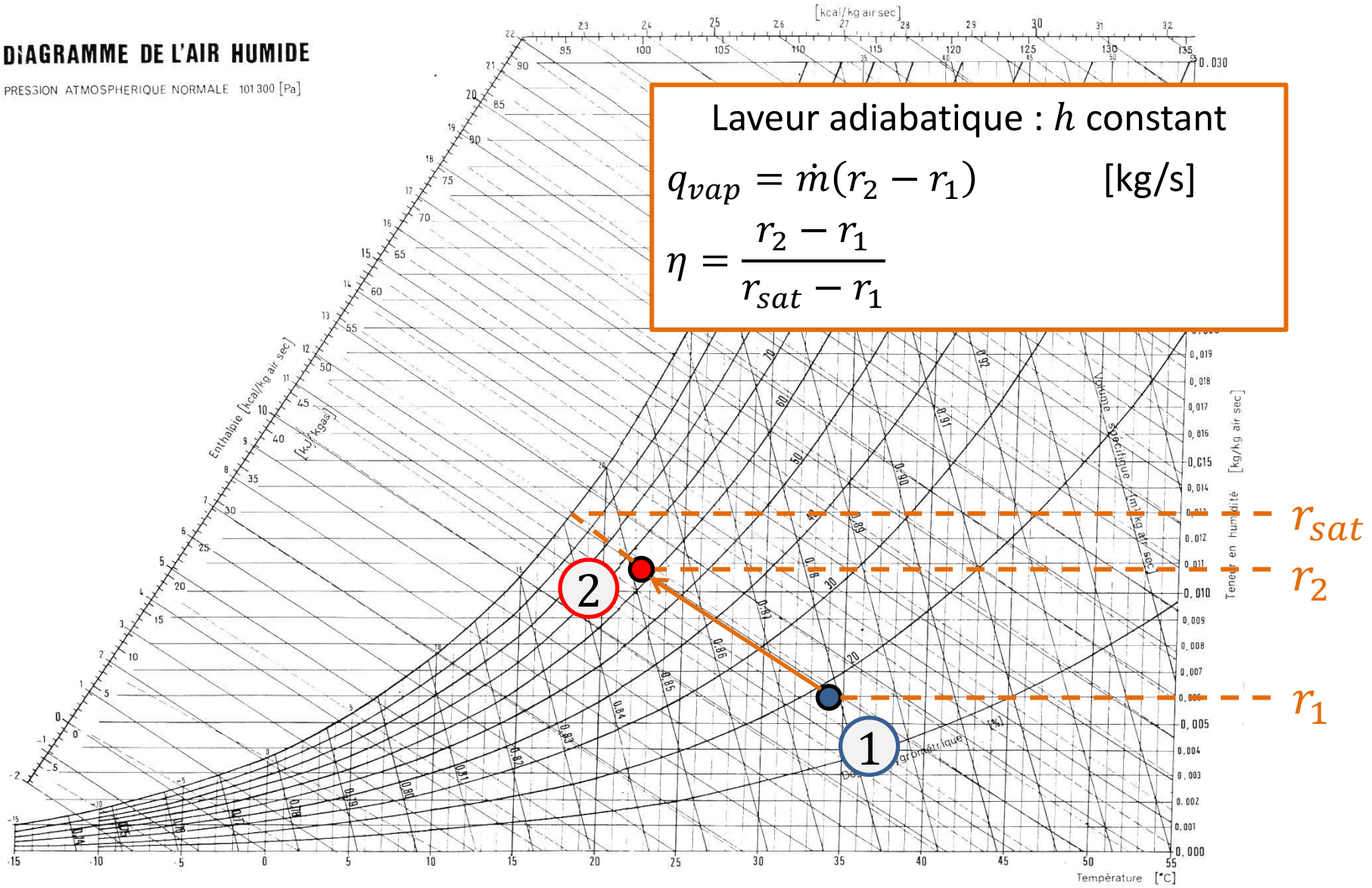

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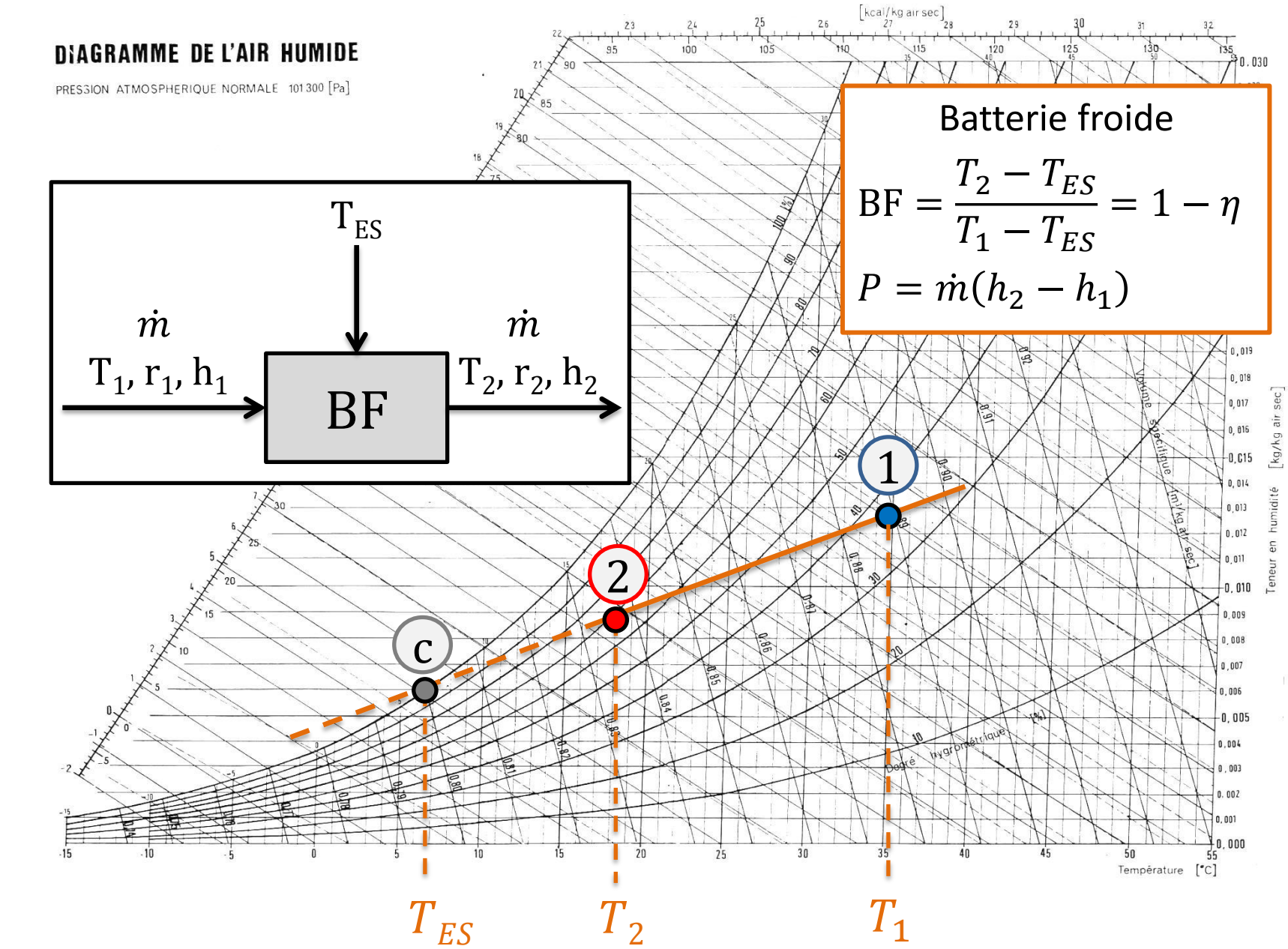

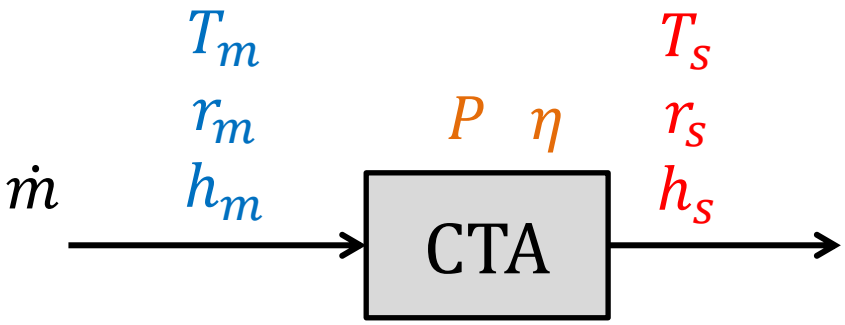

Air de mélange m

ou

Tout air neuf e

→ Air de soufflage s

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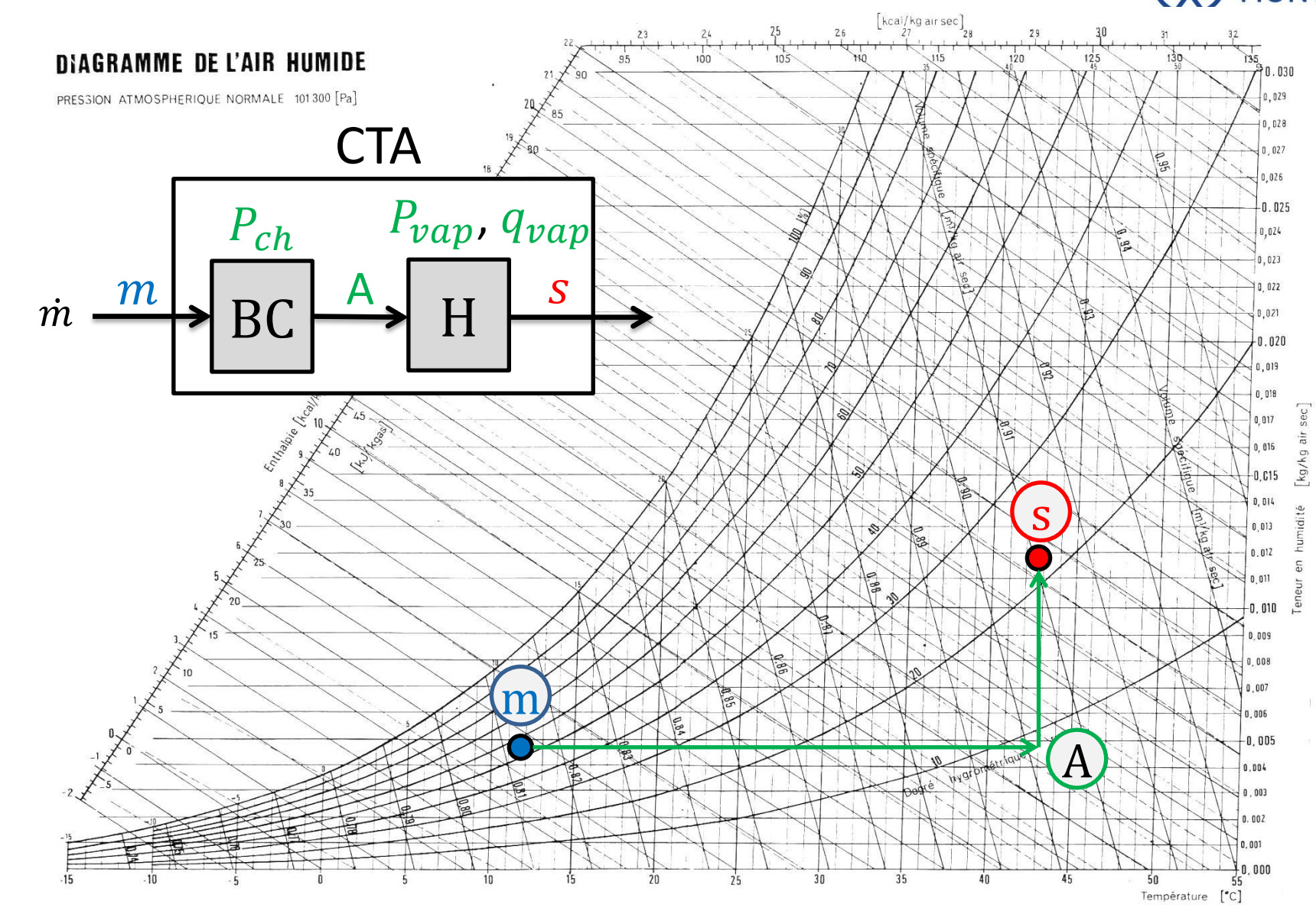

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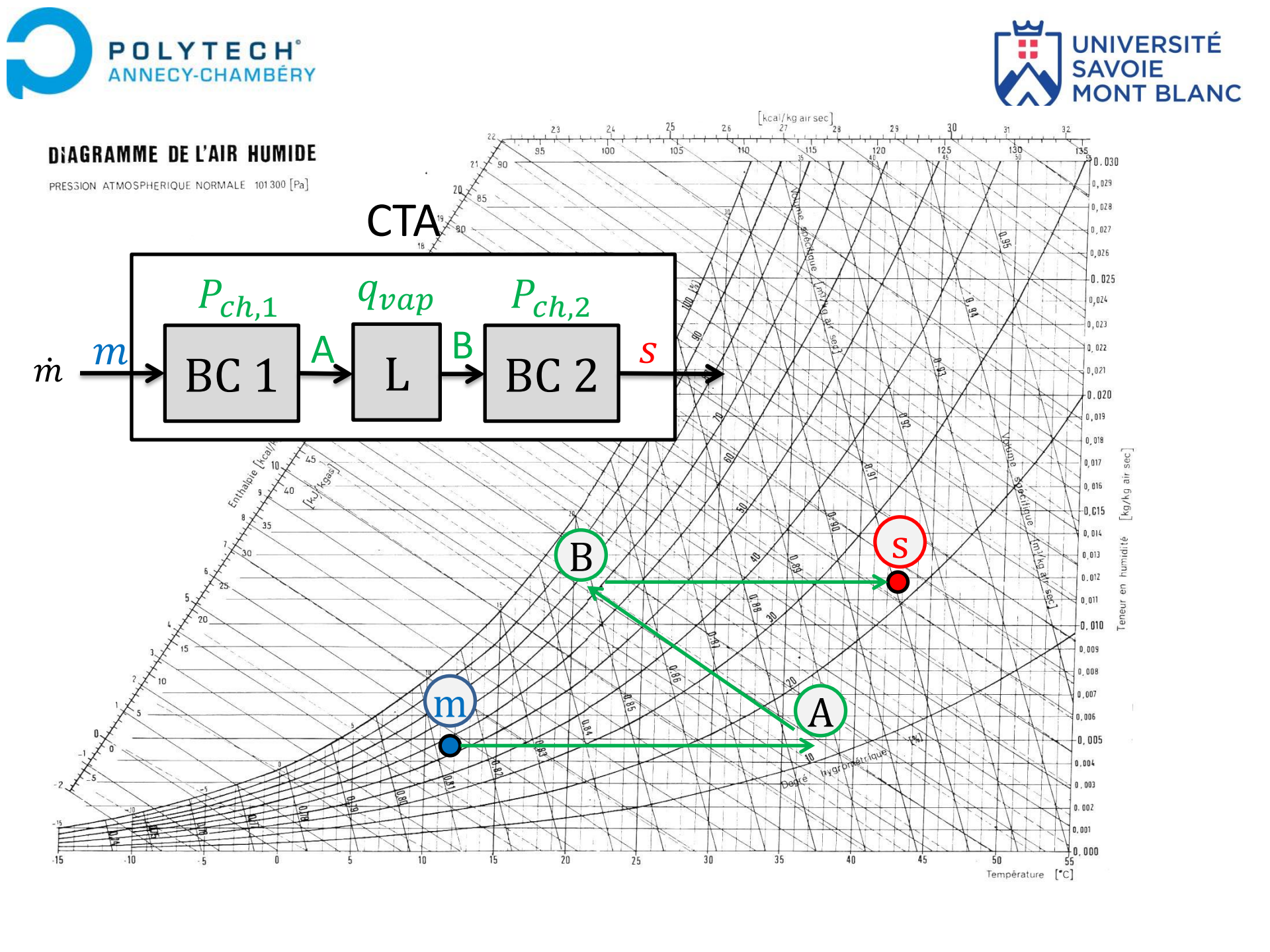

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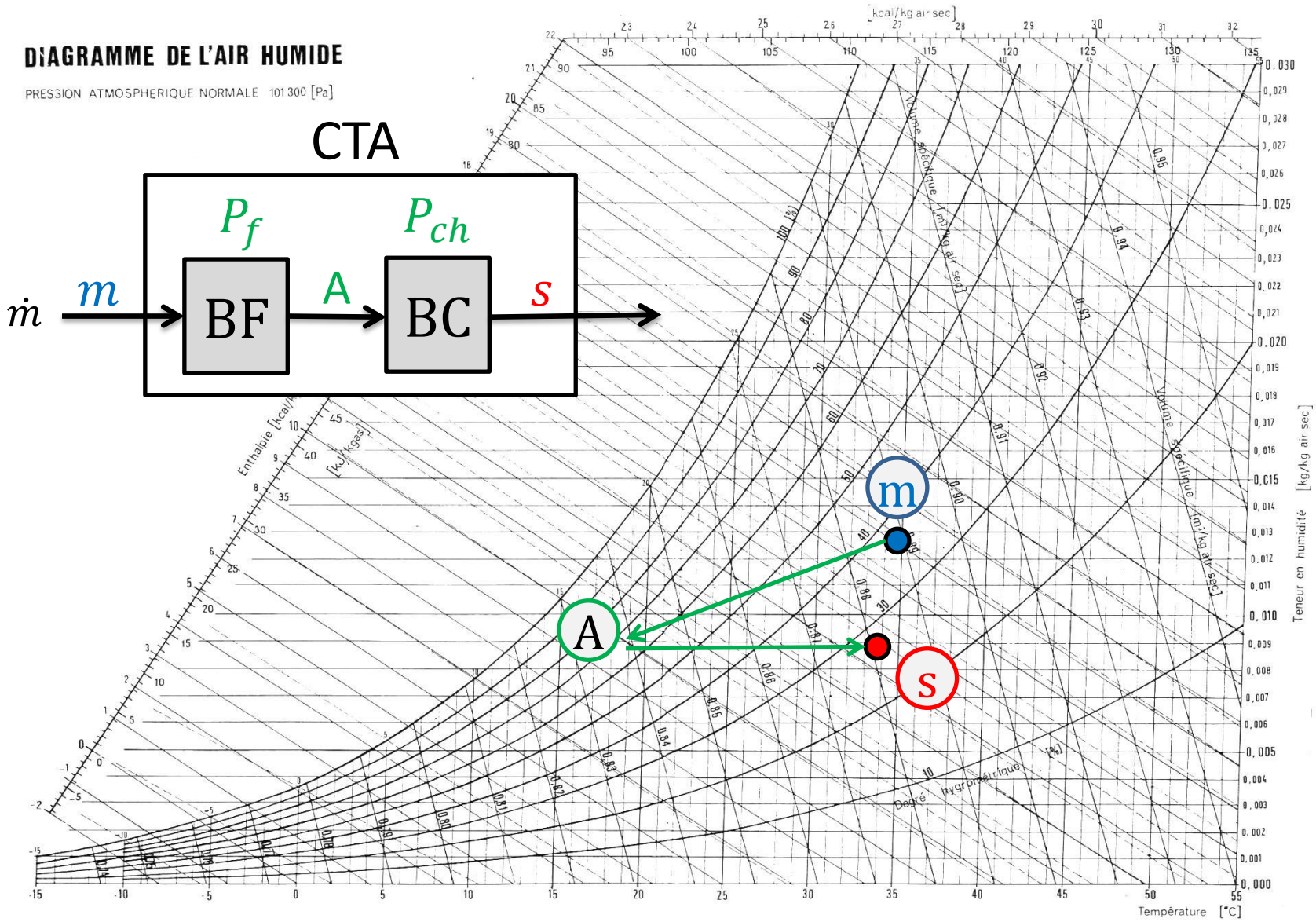

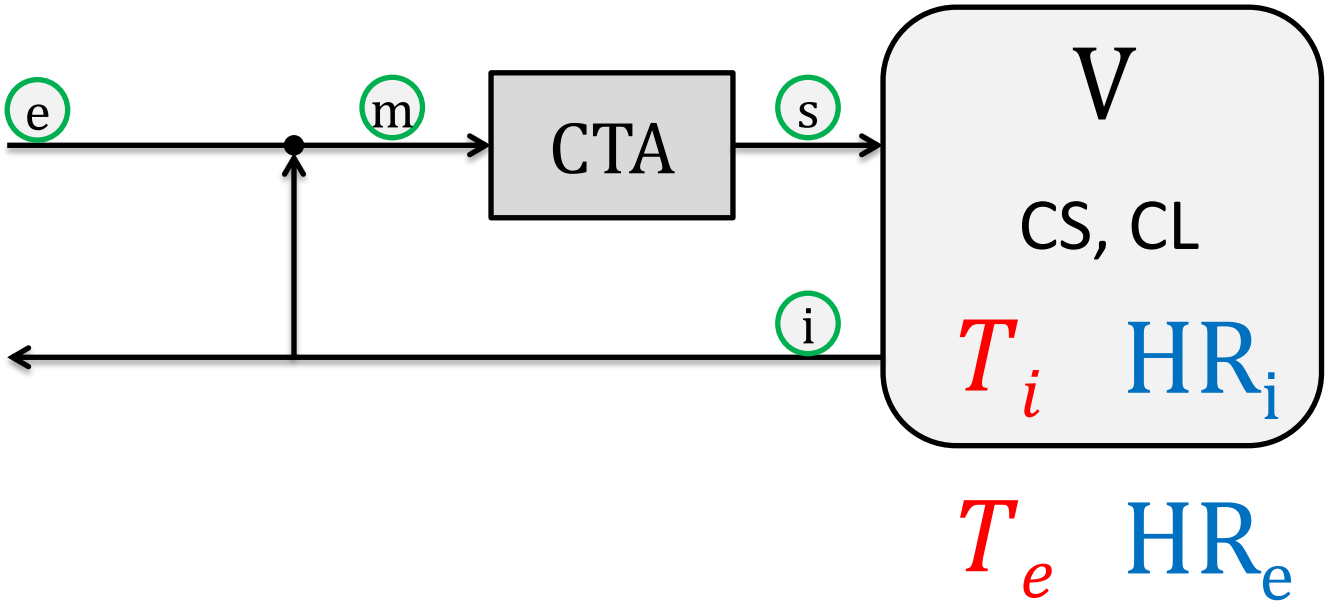

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