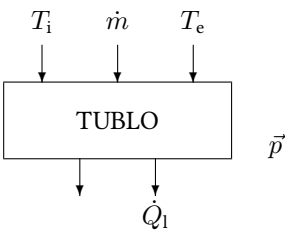


Block TUBLO

The TUBLO block calculates the heat losses through tubes using the radial heat loss coefficient and the total tube length.



Name	TUBLO
Function	st0042
Inputs	3
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Strings	0
Group	S

Inputs

- 1 Tube inlet temperature / °C
- 2 Fluid mass flow / kg s⁻¹
- 3 Adjacent air temperature / °C

Parameters

- 1 Radial heat loss coefficient of the isolated tube / W m⁻² K⁻¹
- 2 Increase of heat losses through ageing and imperfect isolation / %
- 3 Heat capacity of the fluid / kJ kg⁻¹ K⁻¹
- 4 Total length of tubes / m

Outputs

- 1 Tube outlet temperature / °C
- 2 Heat losses of the tube / kW

Strings

None