

Block PFSTOR

The PFSTOR block...



DUMMY

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Function	pp0009
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Inputs

- 1 Input temperature from collector(-field)
- 2 Mass flow from collector(-field) mc
- 3 Input temperature from load TLi
- 4 Mass flow from load ml
- 5 Ambient Temperature Ta
- 6 Zeit t

Outputs

- 1 Output temperature to collector(-field) Tco
- 2 Mass flow to collector(-field) mc
- 3 Output temperature to load TL0
- 4 Mass flow to load ml

Parameters

- 1 Volume of tank V
- 2 Diameter of tank d
- 3 Specfic heat of oil C_p
- 4 Density of oil ρ
- 5 Loss coefficient U

- 6 Temperature of 'empty' tank T_e
- 7 Initial temperature of tank
- 8 Heat conduction for oil λ

Strings

None
