Block PFSTOR

The PFSTOR block...

DUMMY



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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 Cp
4 Density of oil rho
5 Loss coefficient U

6	Temperature of 'empty' tank Te
7	Initial temperature of tank
8	Heat conduction for oil lambda

Strings

None