Block HXCH

The HXCH block...



DUMMY

Name	HXCH
Function	pp0015
Inputs	6
Outputs	6
Parameters	14
Strings	0
Group	S

Inputs

1 Inlet temperature fluid one
2 Mass flow fluid one m1
3 Inlet pressure fluid oneC
4 Inlet temperature fluid two
5 Mass flow fluid two m2
6 Inlet pressure fluid two

Outputs

1 Outlet temperature fluid one
2 Outlet pressure fluid one
3 Outlet enthalpy fluid one
4 Outlet temperature fluid two
5 Outlet pressure fluid two
6 Outlet enthalpy fluid two

Parameters

1 Type of heat exchanger 0: Doubletube counter flow 1: Doubletube parallel flow 2: Rohrbuendel
2 Heat transfer coefficient

3	Heat exchanger area
4	Type of fluid one FL1 0: Wasser 1: Allg. Fluid
5	Temperature 1
6	Specific heat 1 cpf11
7	Temperature 2 TF12
8	Specific heat 2 cpf12
9	Type of fluid two FL2 0: Wasser 1: Allgem. Fluid
10	Temperatur 1 TF21
11	Specific heat 1 cpf21
12	Temperature 2 TF22
13	Specfic heat 2 cpf22
14	Number of iterations

Strings

None

Remarks

Modell im wesentlichen nach Nikolai V. Khartchenko (1995) Thermische Solaranlagen, Berlin / Heidelberg / New York