

Inquiry data sheet In-line Reaction Technology

Contact:

Company: Phone: Project / Inquiry-Nr:
 Name: Fax: Inquiry requested until:
 Street: E-Mail:
 ZIP/Town: Country: Only budget quotation: Yes No

Inquiry:

Reaction Data:

	Unit:	Educt	Additive 1	Additive 2	Product
Name fluid:	[-]				
Flow minimal:	[kg h ⁻¹]				
Flow normal:	[kg h ⁻¹]				
Flow maximal:	[kg h ⁻¹]				
Density:	[kg m ⁻³]				
Viscosity:	[mPas]				
Specific heat capacity:	[J kg ⁻¹ K ⁻¹]				
Thermal conductivity:	[W m ⁻¹ K ⁻¹]				
Temperature at the beginning:	[°C]				

Reaction control: Polytropic Adiabatic Isothermic

Order of reaction: 1. order 2. order

	Unit:	Heating/cooling stream		Unit:	Substrate
Name fluid:	[-]		Molaric weight:	[g mol ⁻¹]	
Flow:	[kg h ⁻¹]		Enthalpie of substrate:	[J mol ⁻¹]	
Temperature:	[°C]		Molaric flow rate:	[mol h ⁻¹]	
Density:	[kg m ⁻³]		Desired turn-over:	[%]	
Viscosity:	[mPas]		Desired residence time:	[s]	
Specific heat capacity:	[J kg ⁻¹ K ⁻¹]		Start temperature:	[°C]	
Thermal conductivity:	[W m ⁻¹ K ⁻¹]		Adiabatic temperature rise:	[°C]	
			Allowed tolerance of temperature:	[°C]	
			Temperature after reaction:	[°C]	

Mechanical Data:

Design: Contiplant Production line

Material: 316 Ti / 316 L Tantal Hastelloy C22

Reactor: Max. allowed pressure: bar Max. allowed temperature: °C

Heating jacket: Max. allowed pressure: bar Max. allowed temperature: °C

Description of the reaction and remarks: