

### Data sheet for Stirred vessel

Customer information		
Enterprise title		
Contact details	Phone:	e-mail:
Contact person		
Facility adress		
Own collection	<input type="checkbox"/> Yes	<input type="checkbox"/> No

Requirements		
Application (operating procedure in a vessel)		
Capacity, m <sup>3</sup>		
Overall dimensions, mm		
Design	<input type="checkbox"/> vertical	<input type="checkbox"/> horizontal
Top head type	<input type="checkbox"/> flat <input type="checkbox"/> elliptical	<input type="checkbox"/> conic <input type="checkbox"/> other, _____
Lower bottom type	<input type="checkbox"/> flat <input type="checkbox"/> elliptical	<input type="checkbox"/> conic <input type="checkbox"/> other, _____
Jacket	<input type="checkbox"/> smooth cylindrical <input type="checkbox"/> U-shaped	<input type="checkbox"/> from half pipes <input type="checkbox"/> Отсутствует
Inner devices	<input type="checkbox"/> calm down pipe <input type="checkbox"/> pipe coil	<input type="checkbox"/> baffle plate
Process line name		
Design shell temperature, °C		
Support type	<input type="checkbox"/> leg supports <input type="checkbox"/> post support <input type="checkbox"/> increased lug supports <input type="checkbox"/> none	<input type="checkbox"/> lug supports <input type="checkbox"/> pivot ring
Operating pressure, MPa		
Operating pressure in a jacket/coil, MPa		

Material		
Material design		
Shell material		
Material of non-contacting surfaces with medium		
Material of contacting surfaces with medium		
Inner coating	<input type="checkbox"/> rubber coating <input type="checkbox"/> refractory facing <input type="checkbox"/> other, _____	<input type="checkbox"/> enamel coating <input type="checkbox"/> none
Outer coating		
Filling of a vessel, %		

Operating medium specifications	
Operating medium	
Operating medium content	<input type="checkbox"/> liquid <input type="checkbox"/> solid substance <input type="checkbox"/> disperse liquid <input type="checkbox"/> gas
Liquid density, kg/m <sup>3</sup>	
Solid substance density, kg/m <sup>3</sup>	
Operating medium temperature, °C	
Flammability	<input type="checkbox"/> yes <input type="checkbox"/> no
Explosiveness	<input type="checkbox"/> yes <input type="checkbox"/> no
Hazard category as per GOST 12.1.007-76	
Explosion category as per GOST R 513300.11-99	
Explosion group as per GOST R 513300.11-99	
Highly toxic substance	<input type="checkbox"/> yes <input type="checkbox"/> no
Dynamic viscosity, Pa x S	
Specific heat capacity, kJ/kg x K	
Heat conductivity, W/m x K	
Corrosion rate, mm/year	
Tendency to crystallizing	<input type="checkbox"/> yes <input type="checkbox"/> no
Particles size, m	
Концентрация частиц, %	Массовая, _____ Объемная, _____
Particular medium characteristics (ratholing, crystallizing, foaming, destruction in case of agitator high revolutions, etc.)	

Mixing quality requirements	
Mixer (agitator) type	
Mixer (agitator) characteristics	voltage
	frequency/ phase number
	protection rating
	explosion protection
	shaft sealing
	insulation class
Agitation mode	<input type="checkbox"/> continuous <input type="checkbox"/> discontinuous
Required coefficient of uniformity, %	
Required drippings intermediate size, %	
Mixer gas rate, ncm/h	

Heat exchange	
Heater type	<input type="checkbox"/> jacket <input type="checkbox"/> coil
Heat-transfer medium	<input type="checkbox"/> steam <input type="checkbox"/> water <input type="checkbox"/> lube oil <input type="checkbox"/> other, _____
Heat-transfer medium operating temperature, °C	
Heating inlet temperature, °C	
Coolant rate, m <sup>3</sup> /h	
Steady-state heat transfer	rate of heat transfer, kW
	medium temperature in a vessel, °C
Unsteady heat transfer	Medium inlet temperature, °C
	Medium outlet temperature, °C
	Medium heat up time (cool time), °C

Specific requirements	
Welding of platform zone	<input type="checkbox"/> yes <input type="checkbox"/> no
Platforms and staircase	<input type="checkbox"/> yes <input type="checkbox"/> no
Stress relieving of welds	<input type="checkbox"/> yes <input type="checkbox"/> no
Heat insulator	<input type="checkbox"/> yes <input type="checkbox"/> no
Welding of heat insulator fasteningHeat insulator	<input type="checkbox"/> yes <input type="checkbox"/> no
<b>Heat insulator requirements</b>	
Water isolation	<input type="checkbox"/> yes <input type="checkbox"/> no
<b>Water isolation requirements</b>	
Fitting installation of different applications	

Facility class zone or outdoor installation as per GOST R 51330	
Premises flammability class as per NPB 105-95	
Ambient temperature, °C	
Installation site	<input type="checkbox"/> in heated space <input type="checkbox"/> in unheated premises <input type="checkbox"/> outdoor
Seismicity, points	
Life requirement, years	
Required number of vessels, pcs	
Intergranular corrosion test according to GOST 6032-89	<input type="checkbox"/> yes <input type="checkbox"/> no

<b>Notes</b>

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full name and signature of customer's representative

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document date