

agitator data sheet

project: _____

item: _____

mixing product

description	volume (m³)	density (kg/m³)	dyn. Viscosity (mPas)	temp. (C°)	solids vol.-%	grain (µm)	bulk density (kg/m³)
final product							

mixing purpose	solution suspension	mixing emulsify	dispersion heat exchange
intensity	light foaming	middle	strong
operation	discontinuous only by filled vessel	continuous; flow-rate _____(m³/h) filling during transient operation	
mixing time	short time	continuous (more than 8 hours/day)	
material	carbon steel carbon steel covered with:	stainless steel - material no.: _____ _____	
agitators- sealing	non mechanical seal	labyrinth seal lip seal	stuffing box other: _____
main motor	IEC motor voltage: _____V	frequency converter power line frequency: _____Hz	

agitator vessel

outdoor installation	yes	no	vertical	horizontal
cylindric	Ø : _____ height from agitator support to vessel bottom: _____ mm			
rectangular	length: _____ width: _____ height: _____ mm			
process conditions	pressure: _____bar(g)		temperature: _____°C	

ATEX acc. 2014/34/EU for gas atmosphere (G)

zone inside vessel	Zone 0	Zone 1	Zone 2	no EX area
zone outside vessel	Zone 1	Zone 2	nox EX area	
explosion group	IIA	IIB	IIC	
temperature class	T 1	T 2	T 3	T 4

ATEX acc. 2014/34/EU for dust atmosphere (D)

zone inside vessel	Zone 20	Zone 21	Zone 22	no EX area
zone outside vessel	Zone 21	Zone 22	no EX area	
explosion group	IIIA	IIIB	IIIC	
max. allowed surface temperature	_____°C			

*glow temperature: _____°C *ignition temperature: _____°C (* only if surface temperature is unknown)