

Questionnaire for

Distilled Monglyceride (DMG) Plants

Completing this questionnaire will help us to evaluate your application and to provide an offer that is tailored to your requirements.

Project description /	′ project title /	keyword:.	
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Company:
Contact person:
Department:
Address:
Phone:
Email:

Performance / Product

Acid value:% Colour:%

Buss-SMS-Canzler GmbH Kaiserstraße 13 - 15 | 35510 Butzbach **Distilled Monoglyceride (DMG) Plants**

- All information submitted will be treated confidentially. -

Which process stages	s are required?	
Interesterification	🗌 Batch	Continuous
Short path distillation	2 stages	3 stages
Spray cooling	Fluidised bed cooling	Packing
💳 Available fat / oil sour	ce	
🗌 Palm oil	🗌 Soybean oil	Rape seed oil
Sunflower oil	🗌 Lard	Tallow
Others:		

🚍 Fat / oil quality

Iodine value	max
Ni content (as metal)	max
Density at 80 °C	kg / dm³
Viscosity at 80 °C	mPas
Slip melting point	°C
Free fatty acids	%
Colour (Lovibond)	red / Yellow

For DMG distillation systems without esterification

%
%
%
%
%
%

For DMG distillation systems without esterification

Which equipment and services should be included?

Equipment	Pumps
 Thin film and short path evaporators Heat exchangers Vessels, reactors Receivers Separators 	 Product pumps Utility pumps Vacuum pumps
Measuring and Control Measuring & control field instruments Control valves Local indicators Field switch boxes Control Panel with PLC Motor Control Center Process Visualisation	Piping Manual valves Actuated valves Piping / fittings Pipe supports
 Erection Steel structure Equipment and pump installation Manufacturing and installation of piping Painting Wiring Insulation 	 Engineering / Services Basic engineering Detail engineering Erection supervision Commissioning, start-up Operator training Spare parts
Miscellaneous	

🚍 Available utilities

Avail. heating medium 1:		Pressure: bar a	Temperature: °C
Avail. heating medium 2:		Pressure: bar a	Temperature: °C
Avail. heating medium 3:		Pressure: bar a	Temperature: °C
Avail. heating medium 4	:	Pressure: bar a	Temperature: °C
Cooling water	Pressure: bar a	Temperature: °C	CQuantity:m³/h
Cooling water / brine:	Pressure: bar a	Temperature: °C	C Quantity:m ³ /h
Nitrogen:		Pressure bar a	Quantity:m ³ /h
Instrument air:		Pressure bar a	Quantity:m ³ /h
Electricity			
Frequency: Hz			
Voltage:V			
Explos. prot.:			
Material requirement	nts		
Product / vacuum:	Stainless ste	el 🗌 Car	bon steel
Thermal oil:	🗌 Stainless ste	el 🗌 Car	bon steel
Steam / condensate:	🗌 Stainless ste	el 🗌 Car	bon steel
Cooling water:	🗌 Stainless ste	el 🗌 Car	bon steel
Chilled water / brine:	Stainless ste	el 🗌 Car	bon steel
General information			
Codes and standards for	design and fabricatio	on	
AD 2000	ASME	Others	
Which space is available for the plant?			
Plant installation	Indoors	Outdoors	

💳 Environmental data

		Maximum	Minimum
Av. year temperature	[°C]		
Relative humidity	%-rel		
Barometric pressure	[hPa]		
Dew point	[°C]		
Evaporation monthly	[mm]		
Wind load max.	[m/s]		
max. rainfall	[mm]		
Solar radiation	[MJ/m ²]		
Av. rainfall per year	[mm]		

Date:

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Signature: