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Vinegar Infos

Questionnaire for the Planning of a Vinegar Plant

Name and Address

Name _____

Street / P.O. Box _____

Postal Code / City _____

Country _____

(the data given by customers will be kept strictly confidential!)

1. Production capacity of the vinegar plant

- 1.1 Annual production of vinegar referring to an acidity of 10 % : _____ litres **10 %**
 Annual production of vinegar referring to an acidity of _____ % : _____ litres _____ %
 Maximum monthly production of 10% vinegar: _____ litres **10 %**
Depending on the alcohol content of the raw material, the acidity of the produced vinegar varies between 6 and 20%, in accordance with the applied process and type of vinegar.

1.2 At which strength (% acetic acid) is vinegar usually sold in your country? _____ %

1.3 Do you plan a future increase in production? Yes No

1.4 Do you encounter seasonal fluctuations in raw material supply? Yes No
 If so, of which kind? _____

1.5 Do your production requirements depend on changing market conditions? Yes No
 How long is your peak period? _____

2. Raw Material

2.1 Is the raw material available as an alcoholic liquid? Yes No
 If not, in which form? _____

2.2 Which alcoholic liquid do you intend to use as raw material? Check all that apply.

	alcohol content of raw material in %
<input type="checkbox"/> Distilled alcohol (rectified spirit / non-rectified spirit)	_____
<input type="checkbox"/> Grape wine / wine of husks of grape	_____
<input type="checkbox"/> Malt wine	_____
<input type="checkbox"/> Alcoholicly fermented cane	_____
<input type="checkbox"/> Fruit wine of ...	_____
<input type="checkbox"/> Others ...	_____



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3. Location of plant

3.1 Height above sea level: _____ m

3.2 Max. temperature _____ °C

Min. temperature _____ °C

Annual average temperature _____ °C

3.3 Max. relative humidity _____ %

3.4 Electricity

Operating voltage (3 phase current, N, PE) _____ V

Frequency 50 Hz 60 Hz

Single phase voltage _____ V

Control voltage _____ V

3.5 Are frequent power failures to be expected? Yes No

Duration of a power failure _____

(Exact statements required, even if failures _____ sec

last a few seconds only) _____ min

_____ h

3.6 Is an emergency power supply desired? Yes No

4. Buildings and Site

4.1 Is a building site available? Yes No

If a site is available, please enclose a plan or drawing.

4.2 Size of site: _____ m²

4.3 Are buildings available? Yes No

If buildings are available, please indicate exact dimensions: _____

5. Water Supply

5.1 Process Water

For the preparation of mash and the dilution of vinegar the water must have drinking water quality.



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		m ³ /h	°C	bar
5.1.1	Well water			
5.1.2	River water			
5.1.3	Tap water			

5.1.4 Please enclose available water analyses. Yes No

5.1.5 Is the water bacteriologically clean? Yes No

5.1.6 Is the water pretreated? Yes No
If so, which method is used? Filtration Chlorine Ion exchange

5.1.7 Water hardness _____ dH°

5.2 Cooling water

		m ³ /h	°C	bar
5.2.1	Well water			
5.2.2	River water			
5.2.3	Tap water			

5.2.4 Cooling water temperature min. _____ °C max. _____ °C

5.2.5 Constant cooling water capacity _____ m³/h

5.2.6 Pollution degree to be expected? _____

5.2.7 Is the water to be cooled down for recycling purposes? Yes No



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6 Storage tanks

Do you have the necessary tanks of acid proof material (stainless steel, plastics, wood)?

If so, please specify their number and size:

Number: _____

Size: _____ m³

7. Local Supply

What supply to local industry is to be considered?

8. Realization

When is the project to be completed?

Place and date

Signature