

Inquiry No. / Quotation No.		<b>To be filled in by ystral</b>	Representative	
Object No.			Date	
Customer No.			Report No.	

	<b>Customer Process Questionnaire</b> <b>Please download the document before processing!</b>	Page 1 of 2
---	---	-------------

4 Customer		4 Name	
4 Address		4 Div./Fct.	
		4 Tel.	
		4 Email	
		4 Fax	

**Which end product do you want to produce?**

4 Description					4 Is the product abrasive?	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> Strong	<input type="checkbox"/> weak
4 Quantity			kg	Ltr.	4 Has the product the tendency to foam?	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> Strong	<input type="checkbox"/> Weak
4 Normal process temp.					4 Is the end product sticky or lumpy?	<input type="checkbox"/> No	<input type="checkbox"/> Yes		
4 Max. Permissible temp.					4 What particle size and/or particle size distribution do you want to reach in the end product?				
4 Max. viscosity at temperature	mPas (=cP)								
4 Measuring method									
4 Spec. Weight	kg/dm <sup>3</sup>								
						µm			

**Which components are to be treated?**

**1) Information about the basic liquid (initial conditions)**

4 Description					4 Viscosity		mPas (=cP)
4 Quantity			kg	Ltr.	4 Spez. Spec. weight		kg/dl/dm <sup>3</sup>
4 Temperature							
4 Flows like							

**2) Information about further liquid components**

4 Description									
4 Quantity			kg	Ltr.			kg	Ltr.	
4 Adding temperature					°C				
4 Adding viscosity					mPas (=cP)				

**3) Information about solid/powder components**

4 Description									
4 Quantity					kg				
4 Bulk density					kg/dm <sup>3</sup>				
4 Does the solid/powder have the ability to flow?	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> Good	<input type="checkbox"/> Bad	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> Good	<input type="checkbox"/> Bad	
4 Has the solid/powder the tendency to create dust?	<input type="checkbox"/> No	<input type="checkbox"/> Yes							
4 What is the initial particle size of the solids/powder?	Primary grain		mm	Agglomerate		mm	Primary grain		mm
4 From what type of vessel is solid/powder taken?	<input type="checkbox"/> Bag	<input type="checkbox"/> BigBag	<input type="checkbox"/> Drum	<input type="checkbox"/> Silo	<input type="checkbox"/> Bag	<input type="checkbox"/> BigBag	<input type="checkbox"/> Drum	<input type="checkbox"/> Silo	

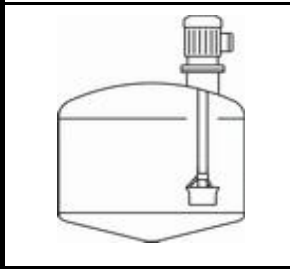
**4) Information about other components**

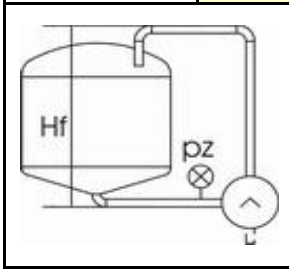

**What processes are required?**

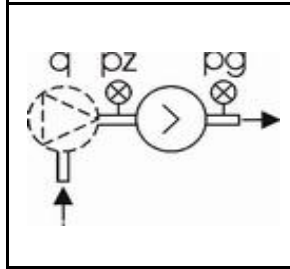
- |                                     |                                       |                                       |                                     |   |
|-------------------------------------|---------------------------------------|---------------------------------------|-------------------------------------|---|
| <input type="checkbox"/> Mixing     | <input type="checkbox"/> Homogenising | <input type="checkbox"/> Suspending   | <input type="checkbox"/> Dissolving | <input type="checkbox"/> Powder induction and wetting |
| <input type="checkbox"/> Dispersing | <input type="checkbox"/> Emulsifying  | <input type="checkbox"/> Wet grinding | <input type="checkbox"/> Aerating   | <input type="checkbox"/> Others                       |

**What type of production process will be suitable?**

<input type="checkbox"/> Batch production	<input type="checkbox"/> Production in circulation	<input type="checkbox"/> Continuous production (Inline)
<input type="checkbox"/> Batches per 8 hours	Pumping height Hf <input type="text"/> mm	<input type="checkbox"/> Pump available
	Static pressure pz <input type="text"/> bar	







Throughput q	
min.	<input type="text"/> m³/h
max.	<input type="text"/> m³/h
Static pressure pz	<input type="text"/> bar
Counter pressure pg	<input type="text"/> bar

**Please give a short description of the task**

**What is the present process and what improvements do you want to achieve?**

**Further technical requirements**

<p>4 <u>Main supply</u></p> <input type="checkbox"/> unknown <input type="text"/> V <input type="text"/> Hz	<p>4 <u>Ex-class motor</u></p> <input type="checkbox"/> No Ex-class <input type="checkbox"/> EEx e <input type="checkbox"/> T3 <input type="checkbox"/> EEx de <input type="checkbox"/> T4 <input type="checkbox"/> Zone	<p>4 <u>Ex-class for the machine</u></p> <input type="checkbox"/> Non-Ex <input type="checkbox"/> Dust-Ex T135°C <input type="checkbox"/> Dust-Ex T200°C <input type="checkbox"/> Gas-Ex T4 <input type="checkbox"/> Gas-Ex T3	<p>4 <u>Motor speed</u></p> <input type="checkbox"/> Single speed motor <input type="checkbox"/> Two speed motor <input type="checkbox"/> Variable speed motor <input type="checkbox"/> Frequency converter <input type="checkbox"/> Gear box
<p>4 <u>Material in contact with the product</u></p> <input type="checkbox"/> 1.4404 (316L) Standard <input type="checkbox"/> Others <input type="text"/>	<p>4 <u>Elastomers in contact with the product</u></p> <input type="checkbox"/> FPM Fluorelastomere (Viton) <input type="checkbox"/> EPDM <input type="checkbox"/> FFKM Perfluorelastomer (Kalrez) FPM (Viton) - FEP coated		<p>4 <u>Additional requirements</u></p> <div style="background-color: #ffffcc; height: 60px;"></div>

**Contact**



**ystral** gmbh  
maschinenbau + processtechnik  
Wettelbrunner Strasse 7  
D-79282 Ballrechten-Dottingen

Phone: +49 (7634) 5603 0  
Fax: +49 (7634) 5603 99  
Email: ystral@ystral.de  
WEB: www.ystral.de

Machine data (filled in by ystral)	Responsible	Date	

### Is a process vessel available and what is its specification

- Existing vessel with the following specifications     
  Vessel does not exist but is planned with the following specifications     
  Vessel does not exist, no detailed specifications available

**4 Vessel form**

- Cylindrical vessel  
 Cyl. Height  mm  
 Diameter d  mm  
 Height H  mm  
 Rectangular vessel  
 Length  mm  
 Width  mm  
 Height H  mm

**4 Pressure in vessel**

- Atmospheric pressure  
 Press.  bar  
 Vacuum  bar

**4 Bottom form**

- Dished       Diffuser  
 Cone:  $\alpha =$         Flat

**4 Top form**

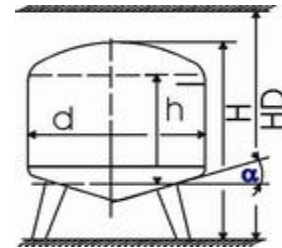
- Dished       Open  
 Cone:  $\alpha =$         Flat

**4 Is the vessel equipped with a heating/cooling jacket?**

- Yes       No

**4 Which minimum/maximum filling volumes do you want to handle?**

- Min. volume  dm<sup>3</sup>  
 Max. volume  dm<sup>3</sup>



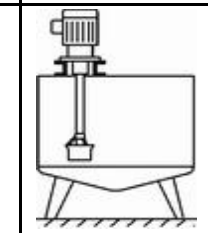
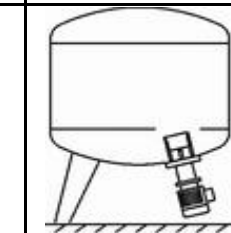
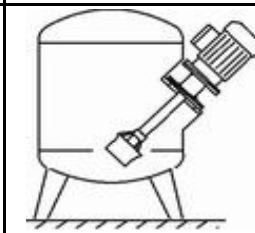
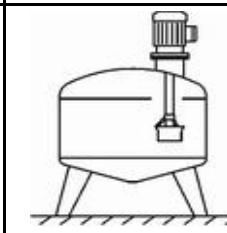
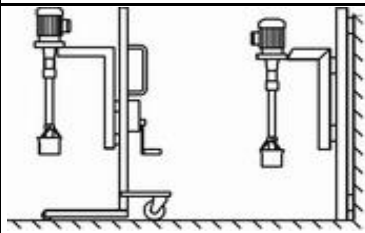
**4 Overall room height HD in the area**  mm

**4 Is there any additional equipment mounted in the vessel (Stirrer, baffles)?**

- No  
 Yes (please supply drawing)

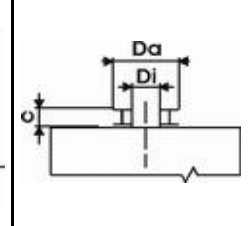
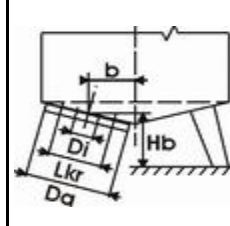
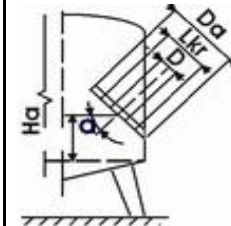
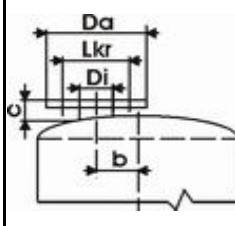
### Which type of installation is foreseen or required?

- Installation on a lifting stand       Top entry with flange       Side entry with flange       Bottom entry with flange       From top on a traverse  
 Moveable       Stationary



### Which installation facilities on the vessel are existing or planned?

- No installation facilities existing or planned on the vessel



Outer diameter	Da	<input type="text"/>	mm	<input type="text"/>	mm	<input type="text"/>	mm	<input type="text"/>	mm
Bolt circle diameter	Lkr	<input type="text"/>	mm	<input type="text"/>	mm	<input type="text"/>	mm	<input type="text"/>	mm
Number and diameter of drill holes/threadungen / Gewinde im Lkr.		<input type="text"/>		<input type="text"/>		<input type="text"/>		<input type="text"/>	
Inner diameter	Di	<input type="text"/>	mm	<input type="text"/>	mm	<input type="text"/>	mm	<input type="text"/>	mm
Distance to centre axis	b	<input type="text"/>	mm	<input type="text"/>	mm	<input type="text"/>	mm	<input type="text"/>	mm
Height above top	c	<input type="text"/>	mm	<input type="text"/>	mm	<input type="text"/>	mm	<input type="text"/>	mm
Height in cylindrical part	Ha	<input type="text"/>	mm	<input type="text"/>	mm	<input type="text"/>	mm	<input type="text"/>	mm
Distance from bottom	Hb	<input type="text"/>	mm	<input type="text"/>	mm	<input type="text"/>	mm	<input type="text"/>	mm

### Contact



**ystral** gmbh  
 maschinenbau + processtechnik  
 Wettelbrunner Strasse 7  
 D-79282 Ballrechten-Dottingen

Phone: +49 (7634) 5603 0  
 Fax: +49 (7634) 5603 99  
 Email: ystral@ystral.de  
 WEB: www.ystral.de



**Customer Process Questionnaire**  
Additional information / Sketches

Appendix 2

**Additional information and sketches**

Large empty yellow area for providing additional information and sketches.

**Contact**



**ystral** gmbh  
maschinenbau + processtechnik  
Wettelbrunner Strasse 7  
D-79282 Ballrechten-Dottingen

Phone: +49 (7634) 5603 0  
Fax: +49 (7634) 5603 99  
Email: [ystral@ystral.de](mailto:ystral@ystral.de)  
WEB: [www.ystral.de](http://www.ystral.de)