##### QUESTIONNAIRE

**to order a dryer type BN with a rotating drum**

|  |  |
| --- | --- |
| Organization |  |
|  |
| Full name |  |
|  |
| Job title |  |
|  |
| Country |  | City |  |
|  |
| Index |  | Address |  |
|  |
| City code |  | Tel. |  |
|  |
| Fax |  | E-mail: |  | Http: |  |

|  |
| --- |
| 1. Based on what data is the rotary drum dryer accepted: |
|  |
|  |  | *experimental data* |  | *industrial experience* |  | *other:* |  |
|  |
| 2. Product name and chemical composition |  |
|  |
| 3. Productivity of dried product, kg /hour |  |
|  |
| 4. Structural and mechanical properties of the product: |  | *loose* |  | *other:* |  |
|  |
| 5. Particle sizes by fractions, mm |  |
|  |
| 6. Product characteristics |
|  |
|  |  | *harmless* |  | *non-explosive* |  | *non-flammable* |  | *other:* |  |
|  |
| 7. Product moisture content at the dryer inlet, % |  |
|  |
| 8. Product moisture content at the dryer outlet, % |  |
|  |
| 9. Temperature of the coolant at the inlet to the dryer, o C (no more than 750) |  |
|  |
| 10. Temperature of the coolant at the outlet of the dryer, o C (no more than 120) |  |
|  |
| 11. Bulk density of the product, kg/m3 |  |
|  |
| 12. Drum section filling factor, % (no more than 15) |  |
|  |
| 13. Mutual direction of movement of the product and the coolant : |  | *direct-flow* |  | *counter-current* |
|  |
| 14. Method of product processing prior to drying: |  | *filtration* |  | *centrifugation* |  | *other:* |  |
|  |
| 15. Heat source: |  | *gas* |  | diesel fuel |  | *other:* |  |
|  |
| 16. Dryer installation location: |  | *indoors* |  | *open area* |
|  |
| 17. Characteristics of the power supply network of the dryer drive motor |
|  |
|  |  | *~50 Hz, 380 V* |  | *other:* |  |
|  |
| 18. Type of internal nozzle: |  | *at the entrance - screw , then - sector* |
|  |
|  |  | *at the entrance - screw , then - blade* |  | *at the entrance - screw , then blade, then sector* |
|  |
| 19. Material of parts in contact with the product: |  | *carbon steel* |  | *other:* |  |
|  |
| 20. What kind of dryer is currently used? |  |
|  |
| 21. Size of the dryer planned for use |  |
|  |
| 22. Need for : | loading and unloading device |  | *There is* |  | *No* | automation system |  | *There is* |  | *No* |
|  |
| heat generator |  | *There is* |  | *No* | gas cleaning |  | *There is* |  | *No* |
|  |
| 23. Installation drawing (in case of turnkey delivery of the drying line) |  |
|  |
| 24. Other parameters: |  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
| *Date of completion :* |  | Signature |  |
|  | M.P. |

The questionnaire must be confirmed with a seal. The manufacturer recommends that the customer contact a specialized design organization to obtain a conclusion on the correct choice of equipment .

##### CONCLUSION

**specialized design organization of the customer**

Based on this questionnaire, heat engineering calculations, properties of the material being dried, experimental data and design process parameters, the BN dryer is accepted:

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| --- | --- |
| Dimensions of the hull, m (diameter of the hull x length of the hull)0,5х2,5; 1х4; 1х6; 1,2х6; 1,2х8; 1,2х10; 1,6х8; 1,6х10; 1,6х12; 2х8; 2х10; 2х12; 2,2х10; 2,2х12; 2,2х14; 2,2х16; 2,5х14; 2,5х16; 2,5х18; 2,5х20; 2,8х14; 2,8х16; 2,8х20; 3,0х18; 3,0х20; 3,2х18; 3,2х22; 3,5х18; 3,5х22; 3,5х27; 4,5х16 |  |
|  |
| Nozzle type |  |
|  |  |
| Mutual movement of product and coolant |  |
|  |  |
| Material of parts in contact with the product |  |

The customer is allowed to select the size of the dryer based on this questionnaire and operating experience.

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| **Name, address and telephone numbers** **customer** |  |
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| --- | --- |
| Name, address and telephone numbers of the specialized design organization |  |
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|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Organization | Job title | Surname | Signature | Date |
| **Customer** |  |  |  |  |
| **Special design organization** |  |  |  |  |

|  |  |
| --- | --- |
| *Date of completion :* |  |