



Demande d'enregistrement

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Annexes de l'Etude Incidences notables sur l'environnement (pièce jointe n°9)
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Dossier réalisé avec le concours de



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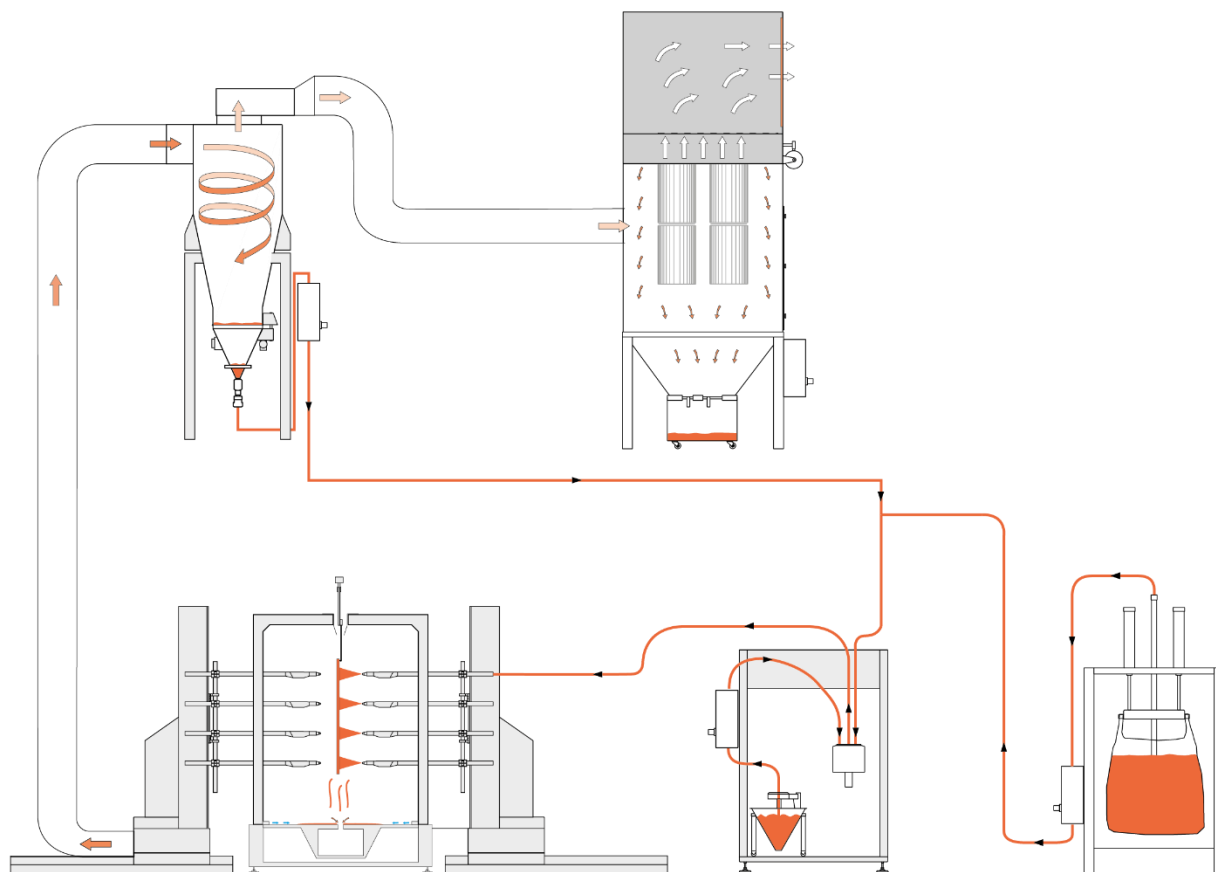
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Annexe : *Descriptif de la cabine de peinture*
Source : KOSEDAG et GEMA

Aperçu de la solution

Circuit des poudres



2 Barrières de sécurité pour la prévention des accidents des réciprocaturs

- 7 éléments de grilles modulaires, dimensions de chaque élément

Longueur 1 [m]

Hauteur 2.06 [m]

2 Verrouillage et contrôle de sécurité pour la barrière de sécurité de prévention des accidents

- Serrure à cylindre et interrupteur de sécurité pour porte battante

2 Interrupteur de sécurité pour la barrière de sécurité de prévention des accidents

- Serrure à cylindre et interrupteur de sécurité pour porte battante

2 Porte battante pour la barrière de sécurité de prévention des accidents

1 Système de protection contre les explosions

La solution la plus efficace pour protéger votre système contre les risques d'explosion.

En cas de détection d'un incendie, le système arrête la cabine et injecte du CO2 dans le système d'évacuation d'air, de sorte que les flammes ne puissent pas atteindre le filtre fermé et générer une explosion.

- Unité de contrôle principale
- Alimentation sans interruption (UPS) pour un maximum de 4 heures
- Capteur de détection d'incendie infrarouge ventilé dans la cabine
- Bouteille de CO2 haute pression en acier
- Détecteur de niveau pour contrôler la teneur en CO2 de la bouteille
- Buses d'injection de CO2 pour le système de récupération de la poudre



Règles de sécurité:

Le projet sera développé sur la base de la norme européenne EN-16985 afin de garantir une sécurité maximale à votre entreprise et à vos opérateurs.

Selon cette norme, la production totale maximale de poudre dans une cabine dépend de son volume de ventilation d'air et de la LIE (limite inférieure d'explosivité) de la poudre utilisée.

La section automatique de cette cabine est équipée d'une ventilation d'air nominal de 32 000 Nm³/h ; ce chiffre est calculé sur la base de l'utilisation d'une poudre de référence dont la LIE est de 30 g/m³. La cabine émet une alarme si la ventilation d'air est inférieure de 10 % à la valeur nominale et s'arrête complètement pour des raisons de sécurité si elle est inférieure de 10 % supplémentaires (point d'arrêt Atex).

Pendant le fonctionnement, il incombe à l'utilisateur de maintenir le filtre ventilateur en bon état et de sélectionner le bon type de poudre et la bonne quantité totale de poudre, en fonction de l'échappement d'air réel de la cabine. Le tableau suivant indique la quantité maximale de poudre de référence qui peut être appliquée dans la cabine dans le pire des cas, c'est-à-dire lorsque le volume d'évacuation de l'air tombe au point d'arrêt Atex (25'920 Nm³/h), qui est le minimum autorisé par la loi :

Poudre LEL [g/m³]	Max débit de poudre [g/h]
Poudre non testée	256'000
30	384'000
40	512'000
50	640'000
60	768'000
70	896'000

General Sales Conditions

1. Preamble

These general conditions of sale of Gema Switzerland GmbH ("Our Company" in the rest of this document) apply to the entire product range of our products and are an integral part of all sales contracts concluded with our customers. They also apply to future transactions even if these do not explicitly reference these general conditions of sale. With the conclusion of the sales contract, at the latest, the customer accepts these general conditions of sale. Customer orders become binding only when they are confirmed in writing by Our Company, or when the ordered goods are shipped. Our Company reserves the right to reject any orders without disclosing the reasons.

2. Technical specifications and documents

Technical documents such as drawings, descriptions, illustrations as well as any dimension, performance or weight specifications are strictly for information purposes and do not warrant specific characteristics. Our Company reserves the right to make changes as technical progress may warrant. All technical documents remain the intellectual property of Our Company and may only be used for the purposes specified by or agreed to by Our Company. The images included in this document are for illustration purpose only and may differ from the actual products. The text and images included in the section "Main Technologies" are for explanation purpose only and do not constitute a guarantee of the performance of the products. Materials, specifications, details and dimensions are approximate and subject to change without notice and without any liability being incurred by Our Company.

3. Regulations applicable at the place of destination

With the order, at the latest, the purchaser shall supply Our Company with information on the regulations and standards applicable at the place of destination to the extent that these are relevant to the supply of goods and services as well as to the conformance with safety and approval regulations. In the absence of any other stipulations the supplied goods and services shall conform to the regulations and standards applicable at the domicile of the purchaser as specified by the latter to Our Company.

4. Prices

Save for any stipulations to the contrary, all prices are deemed to be net, exWorks our address, excluding packing, and without any deductions. All extra costs such as freight, insurance, permits for export, transit, import etc., as well as any certificates, shall be borne by the purchaser. The purchaser is also responsible for any taxes, fees, and custom duties imposed on the delivery. If the costs for packing, freight, insurance, taxes, duties and other extra costs are included in the offer or delivery prices, or if they are itemized separately in the offer or on the order confirmation, then Our Company reserves the right to adapt the rates to any changes in the tariffs.

5. Terms of payment

The purchaser shall tender payment at the domicile of Our Company without any deductions such as discounts, expenses, taxes, and fees, in accordance with the agreed terms of payment. In the event of late payment by the purchaser, default interest at the then prevailing Euromarket interest rate, but not less than 6% p.a., will be charged. If the purchaser defaults on his payments, Our Company reserves the right to hold back deliveries relating to other orders or to cancel such orders. Our Company reserves the right to execute deliveries on C.O.D. basis for as long as the purchaser defaults on his payments or if requests for payment had to be issued for previous orders. If after the placement of an order the purchaser becomes insolvent or if he suspends payment to Our Company, or if the purchaser's ability to pay is impaired in any other way, Our Company has the right to request adequate security and if none is pledged, Our Company may rescind the contract. The purchaser is neither entitled to make partial payments, nor to make offsets with counterclaims, nor to withhold payment due to any complaints. In particular payment shall also be made if only insignificant parts of the delivery are missing which do not render utilization impossible.

6. Reservation of ownership

All goods remain the property of Our Company until Our Company has received full payment from the purchaser in accordance with the contract. The purchaser shall participate in all measures and execute all documents that are deemed necessary for protecting Our Company's ownership of the goods. With the signing of the contract the purchaser consents that the reservation of ownership may be recorded, at his own expense, in public registers, books, or the like in accordance with the applicable national laws, and to sign any documents required for this purpose. While the reservation of ownership is in force, the purchaser shall, at his own expense, maintain the supplied goods in proper order and insure them against theft, breakage, fire, water and other risks, with Our Company designated as the beneficiary. In addition, the purchaser shall take all necessary steps to prevent the impairment or nullification of Our Company's ownership rights. If the purchaser sells goods of which the ownership has been reserved by Our Company, the purchaser cedes already now to Our Company in an internal relationship all rights against the buyer accruing to him from this sale, including all ancillary rights, securities and reservation of ownership. If the value of the goods over which ownership has been reserved, together with any other securities granted to Our Company exceed the claims of Our Company against the purchaser by more than 20%, then Our Company shall grant a partial release if this is demanded by the purchaser. If the purchaser takes any action that contravenes the contract, particularly if he defaults on his payments, Our Company is entitled, after having given notice, to take back the goods over which it holds reserved ownership and the purchaser is obligated to release the goods.

7. Delivery

The scope and the execution of the supply of goods and services shall be governed by the order confirmation. Whenever possible, Our Company will deliver the entire order of the customer. However, the purchaser agrees, to accept also partial deliveries. For partial deliveries Our Company is entitled to issue corresponding partial invoices. The delivery period begins when the contract has been signed, when all government formalities such as import and payment authorizations have been obtained, the payments or securities to be delivered together with the order have been received, and all technical specifications have been clarified. Delivery is deemed to have been made on schedule if on expiration of the delivery period the goods are ready for shipment and a corresponding advice has been forwarded to the purchaser. The delivery period shall be reasonably extended if:

- a) The information required by Our Company for executing the order is not received on time or if it is subsequently modified by the purchaser and thus causes a delivery delay;
- b) If Our Company is impeded by force majeure from executing the order. The term force majeure comprises all unforeseeable circumstances for which Our Company is not answerable and which make it unacceptably difficult or impossible for Our Company to execute the delivery, such as delayed or faulty deliveries by its subcontractors, strike, government regulations, shortage of raw materials or energy, major interruption of operations caused, for example, by the complete or partial destruction of the plant or important departments, or by the breakdown of essential production equipment, serious transport problems, for example, caused by road blockage. If these conditions persist for more than six months, either party has the right to rescind the contract. However, the purchaser is not entitled to raise any claim for damage;
- c) If the purchaser or third parties are in arrears with their work to be performed or the fulfillment of their contractual obligations, particularly if the purchaser fails to meet the payment terms.

If the delivery period is exceeded for reasons that depend from Our Company, the purchaser shall, through written notification, grant a reasonable extension which shall be at least one month. If delivery is not made within this extension period, the purchaser may rescind the contract. However, the purchaser is not entitled to raise any damage claim unless malicious intent or gross negligence on part of Our Company can be demonstrated. If the goods notified as being ready for shipment are not accepted on time by the purchaser, Our Company is entitled to store the goods at the expense and risk of the purchaser and to invoice them as being delivered.

8. Passing of use and risk

The use and risk pass to the purchaser as soon as the shipment has left Our Company's plant, even if the delivery is made c.i.f. or under similar clauses, or including installation, or if the transport has been organized and managed by Our Company. If shipment is delayed due to circumstances for which Our Company is not answerable, the risk passes to the purchaser as soon as he has been advised that the goods are ready for shipment. From this moment the goods are stored and insured at the expense and risk of the purchaser.

9. Transport and insurance

In the absence of any stipulations to the contrary the goods are shipped at the expense and risk of the purchaser. Insurance against damage in transit shall be arranged by the purchaser. Even if this insurance is arranged by Our Company it is deemed to have been concluded on behalf and on the account and risk of the purchaser. Special requests concerning shipment and insurance shall be communicated to Our Company on time. Otherwise the fastest and most economical transport will be arranged at the discretion of, but without responsibility, by Our Company. For c.i.f. deliveries the transport is arranged by Our Company. If any special requests are made by the purchaser the additional costs will be charged to him. If any goods are lost or damaged in transit, the purchaser shall enter a corresponding exception on the delivery documents and have the damage immediately surveyed by the forwarding company. Transport damages that were not immediately detectable must be reported to the forwarding company within eight days from the delivery of the goods.

10. Inspection and acceptance of the supplied goods and services

Our Company inspects all goods during production within the normal scope. If the purchaser requires additional tests and inspections, these shall be agreed upon in writing and will be conducted at the expense of the buyer. The purchaser shall examine the delivery within a reasonable time and report any defects to Our Company immediately in writing after they have been detected, however, within the agreed warranty period. In the absence of any written complaint the delivery is deemed to have been accepted.

11. Warranty

On written request by the purchaser Our Company shall, at its own discretion, either repair or replace as quickly as possible such parts of the delivered products that evidently became damaged or unusable due to poor workmanship, or incorrect operating instructions or installation instructions. The replaced parts become the property of Our Company. The purchaser is entitled to rescind the contract or demand a price reduction if

- a) Repair or replacement is impossible;
- b) Our Company is unable to remedy the defect within a reasonable time, or if Our Company refuses or culpably delays remedy of the defect.

For products that have been manufactured based on the specifications, drawings or models supplied by the purchaser, Our Company's warranty is limited to the quality and workmanship of the materials. Not covered by the warranty are damages that are not clearly the result of poor material, design errors, poor workmanship or incorrect operating instructions and installation instructions, for example, due to normal wear, improper storage and maintenance, failure to follow the operating instructions, overloading, utilization of media that do not meet specifications, inexpert interventions by the user or third parties, utilization of spare parts not authorized by Our Company, as well as due to other reasons for which Our Company is not answerable. For major third-party deliveries Our Company grants a warranty only within the scope of the original supplier. Warranty and liability claims become statute barred twelve months from the receipt of the goods by the purchaser, but no later than 18 months from the date the goods left the Our Company's plant. With respect to defects in materials, design or workmanship [as well as characteristics that do not conform to the specifications], the purchaser has no rights or remedies other than those explicitly stipulated in the section "Warranty". For claims of the purchaser that relate to inadequate counselling and the like, or to the violation of any ancillary obligations, the supplier is only liable if he acted unlawfully or with gross negligence.

12. Liability (Exclusion of damages)

Our Company's liability to pay damages of any kind is waived to the extent that this is permitted by the applicable law. This applies in particular to damages for delays, consequential damages, and product liability damages of all types.

13. Concluding provisions

Our Company reserves the right to temporarily suspend or terminate the contract if its execution would violate any Trade Compliance sanctions or Anti-Boycott laws issued by the United States, by the EU, by Switzerland or by any other country. Our Company will not be liable to pay any penalty

or damages that derive from the suspension or termination of the contract. In case of termination of the contract, Our Company will return the advanced payments that have been received, after deducting the expenses that have already been sustained.

Our Company does not recognize any terms of business other than these. The purchaser explicitly waives the right to invoke his own conditions.

The acceptance of an order by Our Company does not imply that the customer's terms of business are accepted, not even if this is mentioned on the order form. If any part of these general conditions of sale or any delivery executed thereunder is deemed to be invalid, this shall in no way impair the validity of the other terms and conditions. Changes to these general conditions of sale are only valid if they have been accepted by Our Company in writing.

All contracts with Our Company are subject to the laws of Switzerland. Any legal disputes arising out of or in conjunction with contracts between Our Company and the purchaser to which these general conditions of sale are applicable, shall be brought before a competent court at the domicile of Our Company. In any action against the purchaser Our Company reserves the right to institute legal proceedings at the domicile of the purchaser.