



EVROPSKÁ UNIE  
Evropské strukturální a investiční fondy  
Operační program Výzkum, vývoj a vzdělávání



## PURCHASE CONTRACT

**VSB – Technical University of Ostrava, Faculty of Materials Science and Technology**

registered seat: 17. listopadu 2172/15, 708 00 Ostrava - Poruba

represented by: prof. Ing. Jana Dobrovská, CSc., Dean of the Faculty of Materials  
Science and Technology

authorized as a contact person for the seller:

Business Identification Number: 61989100

Tax Identification Number: CZ61989100

**(hereinafter referred to as the "buyer")**

and

**PowderPro Göteborg AB**

with its registered seat/business location: Barken Storegrunds gata1, 41760 Göteborg, Sweden

registered in the Companies Register: Swedish Companies Registration Office

represented by:

authorized as a contact person for the buyer

Data box (if there is one):

Business Identification Number: 556633-9460

Tax Identification Number: SE556633946001

Bank particulars:

Account No.:

**(hereinafter referred to as the "seller")**

**(hereinafter also jointly referred to as the "contracting parties")**

concluded the following purchase contract (hereinafter referred to as the "contract" in compliance with the provision of Section 2079 and of the following sections of Act No. 89/2012 Coll., Civil Code, as amended (hereinafter referred to as the "Civil Code")):

### I.

#### Introductory provisions

1. The subject of the public contract is co-financed from the Operation Programme for Research, Development and Education (hereinafter referred to "OP RDE") within the scope of the "Infrastructure support of the strategic FMME VSB-TUO doctoral study programmes", project reg. No. CZ.02.1.01/0.0/0.0/16\_017/0002668. The subsidy is provided through the Ministry of Education, Youth and Sports (hereinafter referred to as the "OP RDE Managing Authority"). To this end, the purchaser awarded a public contract called "Freeze Granulation Device (Freeze Granulation)" (hereinafter referred to as "Public procurement"). Based on this tender selection procedure, the Seller's best bid was selected as the most suitable bid for the Public Procurement.

2. By this Contract, the Seller guarantees to the Buyer the fulfilment of the Public Contract assignment and all the resulting conditions and obligations assumed by the Seller in the tender of the Public Contract proceedings according to the tender conditions and the Seller's offer. This guarantee is superior to the other terms and conditions set forth in this contract. To avoid any doubts, this means that:
  - in the event of any uncertainty as to the interpretation of the provisions of this Contract, these provisions shall be interpreted in such a way as to take the utmost account of the purpose of the Public Procurement, as expressed in the terms of reference of the Public Procurement,
  - in the case of missing provisions of this Contract, sufficiently specific provisions of the Public Tender Terms and Conditions will be used.
3. The Seller shall be bound by its offer submitted to the Buyer in the tender for the award of the Public Contract, which shall be used in a subsidiary manner for the adjustment of mutual relations arising from this Contract.

## **II.**

### **Subject of the contract**

1. By signing this contract, the seller undertakes to deliver to the buyer the given goods and to allow the seller to obtain the ownership right to the goods. The buyer undertakes to accept the goods and to pay the seller the agreed purchase price.
2. The Seller undertakes to deliver the following goods to the Buyer on the basis of this contract – **Freeze granulation device** for Granulation of Multi-Component Powder Materials (e.g. Production of Diamond Tools where Powder Mix Contains Metal Binder, Synthetic Diamonds or Graphite) and Others freeze-drying substances and freeze-drying equipment (lyophilizer) - (hereinafter referred to as "goods") in the scope, quality and exact technical specification, which is given in Appendix No.1 to this Contract - Technical Specification.
3. The subject of the goods delivery includes transportation to the place of performance, unloading and packaging disposal as well as execution of all other activities conditional on the connection and putting into operation of the goods and demonstration of its proper functioning (Installation) and:
  - a) training of the operator of the device for at least 8 hours.
  - b) delivery of user documentation and manuals in an electronic form on a physical data carrier in the Czech or English language,
  - c) performing other services related to installation and the setup of the goods.
4. A part of the implementation is also formed by the provision of a warranty service with regard to the delivered goods during the given warranty period.
5. The Seller further undertakes to supply the Buyer with the complete documentation relating to the goods that are necessary for the handling of the goods and for their operation, or required by applicable generally binding legal regulations and the Czech and European standards ČSN and EN, technical documentation, instructions for maintenance, service books, warranty cards, etc.
6. The delivered goods will be new and not refurbished. Demo versions are not acceptable either.

## **III.**

### **Delivery deadline and location**

1. The seller is obliged to deliver the goods to the buyer including all related documentation and implementation of all activities stated in Article II of this contract (with the exception of the warranty service) **within 60 calendar days** the latest from the moment this contract comes into effect. The Seller undertakes to announce the delivery date of the goods at least 3 working days before the date of delivery to the Buyer, otherwise the Buyer is not obliged to accept the goods within the specified deadline. In such a case, it is not a breach of the Buyer's obligation to take over the goods or to provide assistance.

2. The Place of performance, i.e. the place of the handover of the goods to the representatives of the customer is the VSB – Technical University of Ostrava, CAIT (Centre for Advanced Innovation Technology) building, (room No. RF211), 17. listopadu 2172/15, 708 00 Ostrava - Poruba (hereinafter "Place of performance").
3. For the purposes of this contract the delivery of goods means the moment of acceptance of the goods by the Buyer, i.e. the moment of signing the Handover Protocol by authorized representatives of both contracting parties.
4. The Buyer is entitled not to accept the goods if the Seller fails to deliver the goods properly and in time, especially if the Seller fails to deliver the goods in the agreed quality or the goods have other defects, are damaged or broken, the seller does not deliver the necessary documentation for the goods or does not provide the goods or does not perform activities conditional on the goods being put into operation and functioning properly.
5. The Parties have explicitly agreed to exclude the provisions of Section 2093 of the Civil Code, and therefore, if the Seller delivers to the Buyer a greater quantity of goods than agreed in this contract, the Purchase Contract is not concluded for surplus quantity, even if the Buyer does not reject the surplus goods within undue delay.
6. The title to the goods and the risk of damage to the goods shall pass to the Buyer at the moment of acceptance of the goods by the Buyer.
7. The seller hereby declares that the goods will comply with all technical, legal, safety and other standards and with all technical, safety, legal and other generally binding legal regulations. Moreover, the seller declares that the goods are free of any factual or legal faults and that they will comply with all the qualitative and quantitative requirements of the buyer stated in this contract, resp. that the goods will fully oblige with the purpose, for which the buyer is purchasing them, with the stipulation that the seller also declares that he is aware of this purpose. The seller is not entitled to additionally determine the properties of the goods and the buyer will not be bound by the determination of the properties of the goods made by the seller; the provisions of Section 2089 of the Civil Code does not apply for the purposes of this contract.

#### **IV.**

##### **Purchase price and payment terms**

1. The contracting parties agree on the amount of the total purchase price in the following manner:
 

total price excluding VAT	<b>1 255 500,- CZK,</b>
VAT (rate 21%)	(not applicable) CZK,
total price including VAT	(not applicable) CZK.
2. The total purchase price mentioned in paragraph 1 of this article includes all costs of the Seller associated with the complete delivery of goods and activities related to the delivery of goods under Article II. this contract, including risks, profits, transportation, transport insurance, delivery of goods in appropriate transport and handling, etc.
3. Value added tax will be accounted for in accordance with the provisions of Act No. 235/2004 Coll., On Value Added Tax, as amended, hereinafter the "VAT Act".
4. Pursuant to Section 109 of the Act on VAT, the buyer has the right to pay the VAT amount directly to the account of the corresponding financial office, provided the seller becomes an unreliable payer as of the date of taxable supply. In this case the buyer is not obliged to pay the amount that corresponds to the VAT to the seller. The buyer is only obliged to pay the seller the amount that corresponds to the purchase price, excluding VAT.
5. The purchase price is determined as fixed, maximal and the highest admissible. A change in the purchase price is possible only if VAT rates are changed after the conclusion of this contract. The Buyer will not provide the Seller with any advance on the purchase price. Any extension of the subject of performance against the originally agreed scope must be agreed in advance by the contracting parties, including an agreement to change the purchase price.
6. The seller's entitlement to the payment of the total purchase price becomes effective at the moment

of the goods being accepted by the buyer, including submission of the appropriate documents, operators training and other activities stated in Article II of this contract (with the exception of obligations stated in Article II paragraph 4 of this contract), and upon confirmation in the transfer protocol.

7. The purchase price will be paid by a bank transfer pursuant to the corresponding tax document - invoice, issued by the seller without any unnecessary delay upon fulfilling the conditions pursuant to the previous paragraph of this article of this contract, and delivered to the buyer. The invoice issued by the Seller shall contain all the essentials of the tax and accounting document pursuant to Act No. 563/1991 Coll., On Accounting, as amended, and the VAT Act; the invoice must also contain the name of the project, the registration number of the project and the identification of the contract. Should the invoice not comply with all of the above stated essentials or should the purchase price be charged incorrectly, the buyer will return the invoice for correction and without being paid within 30 days from the day of its delivery. In this case the payment period of the invoice in question should start running as of the day the corrected invoice or a newly prepared invoice is delivered to the seller. The Seller shall deliver the invoice to the Buyer by registered mail to the Buyer's address or electronically to the e-mail address of the Buyer's authorized persons pursuant to Art. V paragraph 1 point a) of this contract.
8. The purchase price should be payable within 30 calendar days from the moment the invoice is delivered to the buyer. The contracting parties agree that the obligation to pay the purchase price should be fulfilled as of the day the corresponding amount is sent from the account of the buyer for the benefit of the account of the seller stated in this contract.
9. All payments under this contract will be paid by the buyer to the account of the seller specified in the header of this contract.
10. The account of the seller stated in the heading of this contract is the account published by the tax administrator in a manner that allows for a remote access in compliance with Section 96 of the Act on VAT. The Seller is obliged to state in the invoice only the account that is published by the tax administrator in accordance with the VAT Act. Should there be any change in relation to the published account identification during the contract duration, the seller undertakes to inform the buyer about such a change in writing and without any unnecessary delay. Given that pursuant to the provision in Section 109 par. 2 point c) of the VAT Act, the recipient of the taxable supply is liable for the unpaid tax on this performance if the payment for this performance is provided in whole or in part by a non-cash transfer to a different account than the account of the taxable supply provider, which is published by the tax administrator in a manner allowing remote access., the buyer will pay the purchase price only to an account which is published under Section 96 of the VAT Act. Should it come to light at anytime that the account of the seller, which the seller specifies as the account for the payment of the purchase price, is not the published account, the buyer is not obliged to make the payment of the purchase price to such an account; such a situation should not represent a delay in the payment of the purchase price by the buyer.
11. The provisions of paragraphs 4 and 10 of this article of the contract apply only if it is relevant to the seller.
12. Pursuant to the stipulations of Section 1765 of the Civil Code, the seller should assume responsibility for changes of the given circumstances, particularly in relation to a higher cost of the goods delivery pursuant to this contract.

## **V.**

### **Authorised persons**

1. The Parties have agreed on these authorized persons designated for the contact of the Seller with the Buyer in connection with the performance of this Contract as well as for the delivery of all documents (hereinafter referred to as "authorized persons"):
  - a) the authorized persons for the buyer:
    - in contractual and technical matters:



In billing matters:

- b) the authorized persons for the seller:

2. The authorized persons shall represent the Contracting Parties in commercial and technical matters related to the performance of this contract and shall not be empowered to act in matters resulting in the amendment of this contract or its subject matter.
3. The Contracting Parties shall be entitled to change the authorized persons by written notification to the other Contracting Party sent by registered post.

**VI.  
Quality warranty**

1. Pursuant to the stipulations of Section 21:13 of the Civil Code, the seller provides the buyer with a guarantee for the quality of the goods delivered pursuant to this contract for a **period of 24 months** from the moment of signature of the handover protocol pursuant to Article III paragraph 3 of this contract. The seller declares that the goods will be capable of being used for the agreed purpose and their agreed characteristics will be preserved during the entire warranty period. This stipulation particularly applies to the characteristics pursuant to this contract and its appendix; the seller is responsible to the buyer for the fact that the goods have no legal faults.
2. The seller undertakes to provide the buyer with a free service of the delivered goods, including deliveries of the necessary spare parts, during the warranty period. The warranty does not apply to regular wear and tear of the goods and to malfunctions caused by force majeure.
3. The buyer can exercise warranty claims by phone or in an electronic form by the means of an email message at the following phone number +46 73 9443274 or email address martin.sjostedt@powderpro.se. The buyer has the right to notify the seller about any goods defects anytime after the buyer discovers the given defect, however, by the end of the warranty period, at the latest. The buyer is obliged to define the defect and its manifestation. The Seller undertakes to arrive at the latest **within 3 working days** of filing the complaint to the place of performance and commence removal of the defect. If it is possible to remove defects on the spot, the seller shall do so.
4. The Seller is obliged to remove defects of the goods within the warranty period on the basis of a complaint delivered **within 20 working days** of the claim being filed, unless the parties agree in writing on another time limit for the removal of the defect.
5. If the seller fails to remedy the defect within the period specified in the previous paragraph because the defect is irremovable, the buyer is entitled to:
  - a) to request delivery of new goods without defects within 30 calendar days from the expiry of the period for removal of the defect according to paragraph 4 of this article of the contract,
  - b) request a reasonable discount on the purchase price;
  - c) withdraw from this contract without a time limit in relation to the moment at which it is clear that the defect cannot be removed, or
  - d) to ensure the removal of defects of goods by a third party; in this case the Seller undertakes to pay to the Buyer all costs associated with the removal of defects of the goods by a third party within 15 days from the date of their settlement by the Buyer. The Seller's obligation to pay the contractual penalty to the Buyer is not affected thereby. By removing a defect through a third party, the Seller's liability for damages caused in connection with a defect in the goods does not expire.

Should the goods be returned upon withdrawing from the contract or upon a delivery of new goods without defects, the buyer should not be obliged to return to the seller the benefit (wear and tear) that the buyer has gained from the goods.

6. In the event that the Buyer claims a discount on the purchase price in accordance with the preceding paragraph, the Seller is obliged to return to the Buyer the amount corresponding to the purchase price discount within 15 days from the date when the Buyer claimed the discount. In the event that the purchase price has not yet been fully paid by the Buyer, the Buyer is not obliged to pay the Seller part of the purchase price corresponding to the required discount on the purchase price.
7. Travel expenses, material cost and other expenses that the seller incurs in relation to conducting warranty repairs should be fully paid by the seller.
8. Warranty service will be performed either at the Buyer's registered office or the Seller shall ensure collecting of the goods for warranty repair by a collection service from the Client's registered office.
9. The Seller undertakes to provide the Buyer with post-warranty service and to carry out any preventive inspections and to ensure the delivery of spare parts according to the Seller's list prices for the period of the lifetime of the device but for not less than 5 years from the expiry of the warranty period of the goods according to paragraph 1 of the Article of this contract, should the buyer request it.

## **VII.**

### **Sanction stipulations**

1. Should the seller not comply with the specified deadline for the goods delivery pursuant to Article III paragraph 1 of this contract, the seller shall be obliged to pay the buyer a contractual penalty in the amount of 0.1% of the total purchase price, including VAT, for each started day of the delay.
2. Should the seller not comply with the specified deadline for starting to correct defects of the goods pursuant to Article VI, paragraph 3 of this contract, or to remove the defects of the goods pursuant to Article VI, paragraph 4 of this contract the seller should be obliged to pay the buyer a contractual penalty in the amount of 500.00 CZK for each defect and each started day of the delay.
3. If the Seller does not comply with the deadline set for the delivery of new goods pursuant to Article VI. paragraph 5 point a) of this contract, the deadline for payment of costs for the removal of the defect pursuant to Article VI. paragraph 5 point d) of this contract, or the period for payment of the amount corresponding to the discount on the purchase price pursuant to Article VI. paragraph 6 of this contract, the seller shall be obliged to pay the buyer a contractual penalty in the amount of 500.00 CZK for each identified case and and each started day of the delay.
4. In the event of the Buyer's delay in payment of the purchase price, the Buyer undertakes to pay the Seller a statutory interest for late payment of the unpaid part of the purchase price including VAT.
5. arrangements on contractual penalties do not affect the right of the injured party to claim damages that can be recovered separately in full in addition to the contractual penalty.
6. The maturity of billed contractual penalties is 30 days from the date of delivery of the written billing to the relevant contracting party. The day of payment of the contractual penalty shall be deemed the date of debiting the relevant amount of the contractual penalty from the account of the obligated party in favour of the account of the entitled party.
7. The Buyer is entitled to set off the contractual penalty against the Seller's claim for payment of the purchase price.

## **VIII.**

### **Termination of the contract**

1. The contracting parties are entitled to withdraw from this contract for reasons stipulated by the Civil Code or this contract.
2. The Buyer is entitled to withdraw from this contract if:
  - a) if the delay of the Seller with the delivery of the goods will be longer than 20 days from the date of performance stipulated by this Contract,

- b) the delay of the Seller with the removal of the defect of the goods will be longer than 10 working days,
  - c) the seller goes into liquidation,
  - d) insolvency proceedings are initiated against the seller.
3. The Seller is entitled to withdraw from the contract if the Buyer's delay with payment of the purchase price is longer than 60 days, even though the Buyer has been notified in writing by the Seller of this delay.
  4. The withdrawal must be made in writing and delivered to the other party. By withdrawing from the contract the contract is cancelled on the date of the withdrawal.
  5. Termination of this contract shall be without prejudice to the provisions of the contract relating to claims for liability for damage, liability and contractual penalties, if they arose before the termination of the contract, the provisions on protection of information, or other provisions and claims, the nature of which indicates that they should remain in force even after the termination of this contract.

#### **IX. Other stipulations**

1. The seller, under the conditions specified by this contract, in compliance with the instructions of the buyer and while exercising all necessary professional care, undertakes to:
  - a) archive all written documents related to the implementation of the subject of this contract and to allow the buyer, at anytime during this period, to access these archived documents, specifically until 31. 12. 2033, unless the Czech law stipulates a longer period for some of the documents. The buyer has the right to obtain the above stated documents free of charge from the seller after ten years from the completion of the implementation of this contract.
  - b) allow all entities that are authorized to manage the project, whose finances are used for the payment of the purchase price pursuant to this contract, to inspect the documents related to the implementation of this contract; furthermore, the seller is obliged, as the mandatory person pursuant to Section 2, point e) of Act No. 320/2001 Coll., on Financial Control in Public Administration, as amended, to participate in the financial inspection process, e.g. to allow the OP VVW control body to access also those parts of the offers, contracts and related documents that are subject to protection in accordance with special legal regulations (for example, business secrets, classified facts), with the stipulation that the corresponding requirements pursuant to the given legal regulations are fulfilled [particularly the stipulations of Act No. 255/2012 Coll., on the Controls (Control Code), as amended]; the seller is obliged to bind its subcontractors in the corresponding contracts to allow the OP VVW control body to control the subcontractors in question in the same extent;
2. The Seller is obliged to maintain confidentiality vis-à-vis third parties regarding all facts which it learned during the execution of this Contract and in connection with it and which are protected by the relevant generally binding legal regulations (especially trade secrets, personal data, classified information) or which the Buyer declared confidential. The confidentiality obligation continues even after the termination of this contract. The Seller undertakes to ensure these obligations are also observed by all its employees or other persons, which the Seller uses for the fulfilment of this contract.

#### **XI. Common provisions**

1. The Parties expressly declare that they do not wish for any rights and obligations to be inferred, in addition to the express terms of this contract, from any existing or future practice established between the Parties, or practices generally or in the industry relating to the subject matter of this contract, unless expressly agreed otherwise in this contract. In addition to the above, the contracting parties confirm that they are not aware of any business customs or practices so far established between them.

2. The Contracting Parties agree to exclude the application of the provisions of Section 557 of the Civil Code that if a term is used which allows various interpretations, in the case of doubt it is to be interpreted to the detriment of the person who used the term first.
3. Pursuant to the stipulations of Section 1765 of the Civil Code, the seller should assume responsibility for change in circumstances, particularly in relation to a higher cost of the goods delivery pursuant to this contract.

**XII.  
Final provisions**

1. This Contract comes into force on the day of its signing by both contracting parties and becomes effective on the day of its publication in the Register of Contracts pursuant to Act No. 340/2015 Coll. on the Register of Contracts. The publication in the Contract Register shall be made by the Buyer in accordance with the law specified in the previous sentence.
2. Changes and amendments to this contract may only be made in writing, by numbered amendments signed by both parties. If this contract requires written form for any action, any electronic messages will not be considered as written.
3. Rights and obligations not governed by this contract shall be governed by the laws of the Czech Republic, in particular the Civil Code and its relevant provisions on the Purchase contract.
4. Any disputes between the Parties arising out of or related to the provisions of this contract shall always be first settled amicably by mutual contract.
5. The invalidity or ineffectiveness of any provision of this contract shall not invalidate the entire contract. The Contracting Parties undertake to replace, by mutual agreement, the invalid provision by a provision corresponding to its content of the purpose of the invalid/ineffective provision.
6. The Seller is not entitled to assign its rights and obligations under this contract to a third party without the Buyer's written consent.
7. This contract is made out in 3 counterparts of which the Buyer will receive after signing two and the Seller one.
8. The Appendix No. 1 – Technical Specification, is an integral part of the contract.
9. This contract contains a full agreement on the subject of the contract and all its essentials, which the contracting parties should and desire to agree on in this contract and which they consider important for the obligatory character of this contract. No representation of the Parties in the negotiations of this contract or any statement made subsequent to the conclusion of this contract shall be construed in contravention of the express provisions of this contract and shall not constitute any obligation of any contracting party.
10. The Contracting Parties agree that they are aware of all legal consequences of this contract, agree with all its provisions which they have read in detail, and attach their handwritten signatures of their authorized representatives as to their free and true will.

Ostrava, date 15. 07. 2019

Göteborg, date 6/2

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**VSB – Technical University of Ostrava,  
Faculty of Materials Science and  
Technology**  
prof. Ing. Jana Dobrovská, CSc.  
Dean of the Faculty of Materials Science and  
Technology

**PowderPro Göteborg AB**



## Technical specification

### Freeze granulation device

The subject of performance of the public contract is the supply of equipment for granulation of multi-component powder materials (e.g. production of diamond tools, where the powder mixture contains metal binder, synthetic diamonds, or graphite) and other substances by freezing and a freeze drying device (lyophilizer).

The principle is based on spraying the powder suspension into liquid nitrogen, where immediate freezing of the spray droplets and forming of granules takes place. Spraying of the suspension will be carried out with nitrogen gas or air. Subsequently, the granules are dried by sublimation of "ice" without any segregation effect, i.e. drying takes place under vacuum by sublimation of water vapour from the frozen sample.

This technology ensures creation of high quality granules with homogeneous distribution of all material components and spherical shape, having excellent technological properties (fluidity, bulk density, compressibility, sinterability, etc.). The granules may be moulded/compacted by compression in matrices or isostatic pressing, but are also very suitable for technologies such as extrusion, powder injection moulding or additive manufacturing. The device is applicable in the field of ceramics, powder metallurgy, processing of nanomaterials, preparation of materials for the manufacture of diamond tools, catalytic materials, biomaterials, etc.

The subject of performance also includes transportation to the place of performance, execution of all other activities conditional on the connection and putting into operation of the goods and demonstration of its proper functioning (installation) and training of the operator of the device for at least 8 hours.

**Manufacturer of the freeze granulation device** PowderPro AB, Martin Christ  
Gefrier- und Trocknungsanlagen GmbH

**Exact type designation of the freeze granulation device:** LS-2, Alpha 1-4 LSCplus

**Number of pieces:** 1 pc

**The freeze granulation device must meet the following criteria:**

#### Freeze granulator:

- Amount of dispensed suspension: min. 1,5 l/h
- Container with suspension mixer
- Spray nozzle
- Pump
- Compressed air pressure reducing valves
- Spray chamber in combination with granule collector and mixer

#### Lyophilizer (freezer, freeze-drying):

- Full compatibility with freeze granulator
- Condenser capacity: min. 3 kg
- Condenser power output: min 3 kg/24 h
- Condenser temperature:  $\leq -55$  °C
- Vacuum pump with adequate output: min. 2 m<sup>3</sup>/h, final vacuum: min. 2x10<sup>-3</sup> mbar

- Min. 5 pcs of aluminium heated shelves with a diameter of 200 mm ( $\pm 10\%$ ) with built-in temperature sensor; the shelves must fit the lyophilizer and be part of it
  - Shelf temperature control
  - Min. 5 pcs of 200 mm diameter stainless steel product trays ( $\pm 10\%$ )
  - Stand/holder for min. 5 wireless heated shelves with diameter of 200 mm ( $\pm 10\%$ ), distance between shelves min. 25 mm
- Drying chamber allowing the placement of the stand with shelves
- Solenoid valve for more precise pressure check and vacuum control
  - Motorized valve with vacuum-closed actuator to control the valve flap between the ice condensation chamber and the drying chamber
  - Defrost function, product temperature measurement, pressure boost test (transition from main drying phase to final drying phase)
  - Other accessories: vacuum hoses incl. standard flanges ON 25/25 ISOKF, outlet filter, seal