

**Air Distributor
HEPA Filtration Class
Technical Passport**



2026

Content:

1. Purpose.....	18
2. Main Technical Data.....	18
4.Components.....	20
4. Design and Operating Principle of HEPA BOX:	21
8.Preparation for Use	21
9.Installation of the HEPA BOX Air Distributor	22
10.Warranty Conditions	25
7.1 Warranty Period	25
7.2 Warranty Conditions	25
7.3 The mentioned warranty obligations do not apply to:	25
7.4 Warranty Work	26
8. Information on Complaints.....	26
Certificate of Acceptance.....	27
Appendix A.....	28

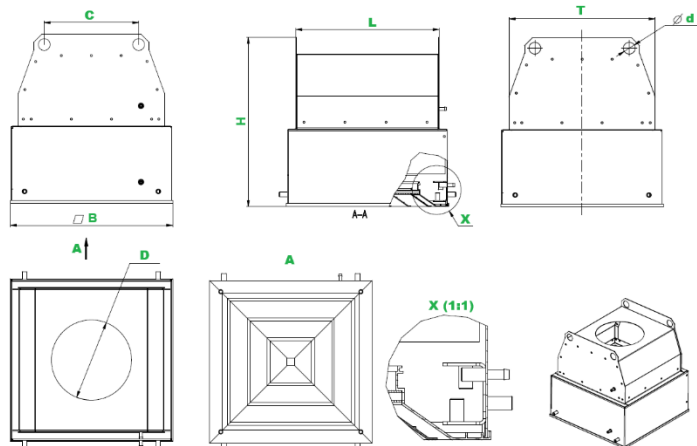
1. Purpose

This passport serves as a unified operational document for air distributors designed for HEPA-class filters (hereinafter referred to as "HEPA BOX"). The passport contains information necessary for the proper and safe operation of the HEPA BOX and their maintenance in working condition. Air distributors for HEPA filters represent a specialized class of filters designed for efficient air purification from all types of contaminants, including fine particles with diameters of 2.5 and 10 microns, as well as microorganisms.

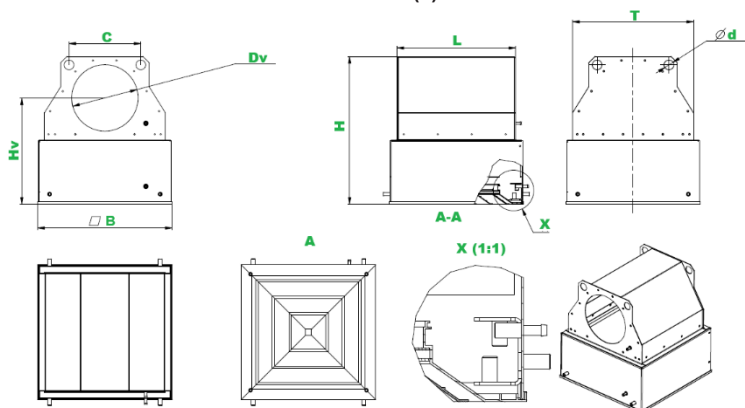
2. Main Technical Data

2.1. The design, overall dimensions, and connection sizes of the HEPA BOX are shown in Figure 1 and Table 1.

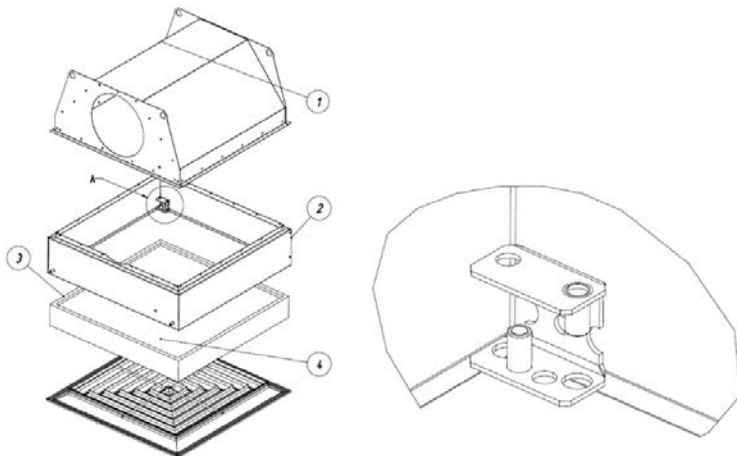
2.2. The technical specifications of the HEPA BOX are provided in spreadsheet 2.



Picture 1 (a)



Picture 1 (b)



Picture 1(c)

1.Upper housing 2. Filter housing 3. HEPA filter 4. Square diffuser

*- On the right are placed the mounting elements for attaching the diffuser to the filter housing; direct attachment is carried out by using a thread connection (screw with rivet nut).

Table 1

Name	Габаритні розміри							
	B	C	D / DV	d	H	Hv	L	T
A(H/F)B 318(125)/Side	318	170	122	23	351	249	281	286
A(H/F)B 470(160)/Side	471	308	157	23	345	245	434	439
A(H/F)B 470(200)/Side	471	255	197	23	380	264	434	439
A(H/F)B 587(200)/Side	588	375	197	23	380	264	551	556
A(H/F)B 623(200)/Side	624	428	197	23	387	270	588	593
A(H/F)B 587(250)/Side	588	345	247	23	435	290	551	556
A(H/F)B 623(250)/Side	624	428	247	23	433	292	588	593
A(H/F)B 1143(2x250)/Side	1143	931	247	23	429	290	539	1106
A(H/F)B 318(125)/Top	318	185	122	23	331	-	281	286
A(H/F)B 318(160)/Top	318	185	157	23	331	-	281	286
A(H/F)B 470(160)/Top	471	368	157	23	305	-	434	439
A(H/F)B 470(200)/Top	471	318	197	23	340	-	434	439
A(H/F)B 587(200)/Top	588	430	197	23	345	-	551	556
A(H/F)B 623(200)/Top	624	428	197	23	433	-	588	593
A(H/F)B 587(250)/Top	588	430	247	23	345	-	551	556
A(H/F)B 623(250)/Top	624	428	247	23	433	-	588	593
A(H/F)B 1143(2x250)/Top	1143	931	247	23	345	-	539	1106

Table 2

Size	Filtration class	Nominal capacity, m³/h	Clean filter pressure drop, Pa (Initial pressure drop)	Final pressure drop, Pa (Dirty filter pressure drop)
A(H/F)B 318	F7	670	65	200
	E11	150	70	600
	H13	150	110	600
	F9	670	75	200
	H14	150	120	600
A(H/F)B 470	F7	1500	65	200
	E11	330	70	600
	H13	330	110	600
	F9	1500	75	200
	H14	330	120	600
A(H/F)B 587	F7	2380	65	200
	E11	525	70	600
	H13	525	110	600
	F9	2380	75	200
	H14	525	120	600
A(H/F)B 623	F7	2680	65	200
	E11	590	70	600
	H13	590	110	600
	F9	2680	75	200
	H14	590	120	600
A(H/F)B 1243	F7	4760	65	200
	E11	1050	70	600
	H13	1050	110	600
	F9	4760	75	200
	H14	1050	120	600

3. Components

Item	Quantity	Note
HEPA BOX Air Distributor		
Fan Passport		

*** Note:** Spare parts and tools are not included in the delivery package.

**The elements listed above are not mandatory components included in the delivery package. In the specific case, this applies exclusively to the test aerosol supply tube mentioned in item 3.*

4. Design and Operating Principle of HEPA BOX:

The HEPA BOX consists of:

Side connector with an integrated closing valve, which is operated manually or automatically (there are also options with a vertical connector and without a closing valve).

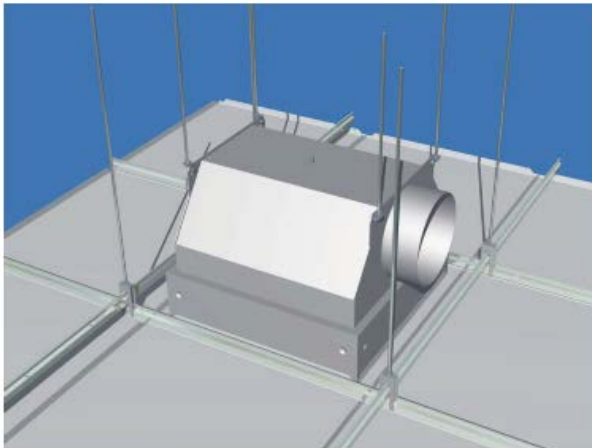
- Tube for supplying test aerosol (concentration check).
- Housing for HEPA filters of class E11 to U15, equipped with dry (made of foamed polyurethane, flat, and U-shaped profile) or liquid (gas-tight) seals.
- 4 simple, non-slip clamping elements for higher filter tightness.
- Measuring device complemented by a U-shaped sealed profile.
- Built-in manometer for pressure drop control (optional).

The main task of the box is the even distribution of the airflow through the filtering insert, which cleans the air from all types of contaminants and microorganisms. It is used for supply ventilation.

**The delivery package also does not include elements such as the test aerosol supply tube (for concentration testing) mentioned in item 4, construction and operating principle.*

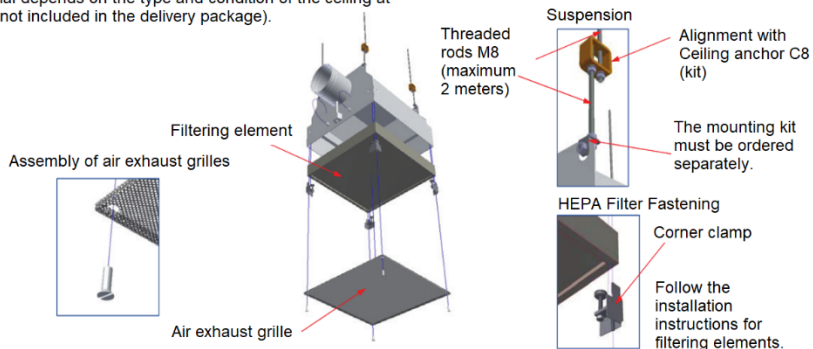
5. Preparation for Use

HEPA BOX Air Distributor



Picture 3
Ceiling Mounting

The fastening material depends on the type and condition of the ceiling at the installation site (not included in the delivery package).

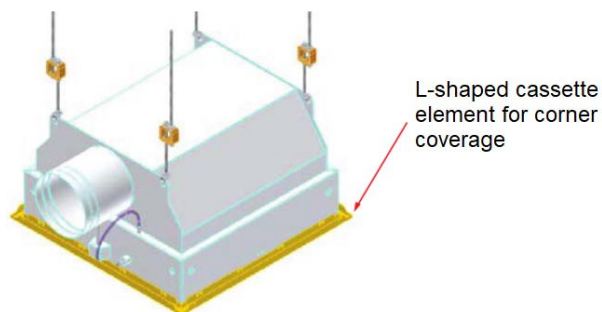


6. Installation of the HEPA BOX Air Distributor

Installation for a lightweight ceiling (Picture 4)

6.1 Installation Process:

1. Fasten the profiles to the housing with rivets.
2. Connect the profiles for mounting the grid structure.
3. Prepare 4 suspension points.
4. Lift the housing from the lower part.
5. Suspend the housing.
6. Connect the suspended ceiling to the housing profile
7. Use anchor fasteners for alignment
8. Seal joints and connections.



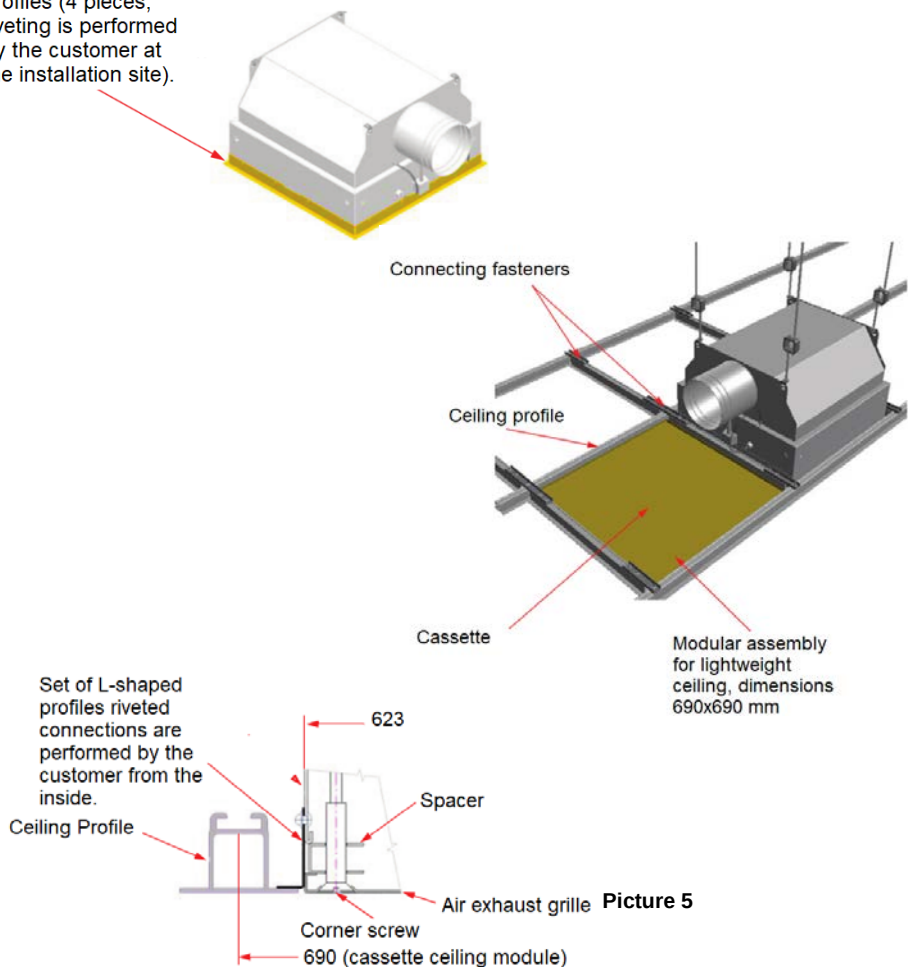
Picture 4

Installation for Cassette Mounting (Picture 5)

6.2 Installation Process:

1. Fasten the profiles to the housing with rivets.
2. Connect the ceiling profiles for mounting the grid structure.
3. Prepare 4 suspension points..
4. Lift the housing from the upper part.
5. Suspend the housing.
6. Seal joints and connections

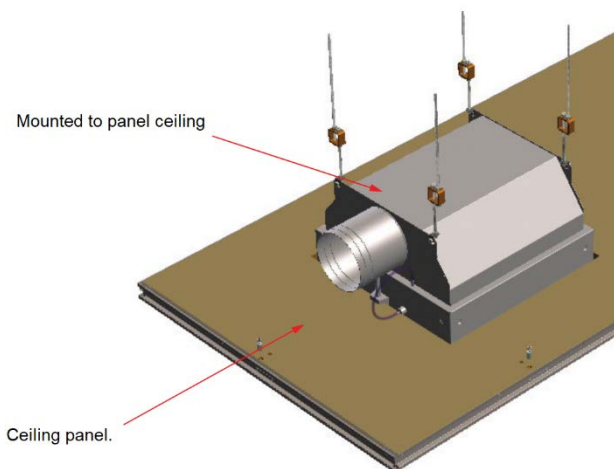
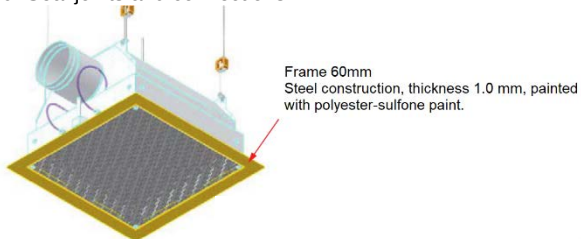
Set of L-shaped profiles (4 pieces, riveting is performed by the customer at the installation site).



Installation for Panel Ceiling (Picture 6)

6.3 Installation Process:

1. Fasten the frame to the housing with rivets.
2. Cut a rectangular opening in the panel.
3. Prepare 4 suspension points.
4. Lift the housing from the lower part.
5. Suspend and align the housing.
6. Seal joints and connections.



Picture 6

7. Warranty Conditions

The manufacturer guarantees compliance with the technical documentation requirements, provided that the consumer follows the rules for transportation, storage, installation, commissioning, and operation, with installation and commissioning performed by a specialized organization authorized by the manufacturer.

Warranty obligations are fulfilled under the conditions specified below:

- The warranty period is 12 months from the date the equipment is handed over to the consumer, but no longer than 42 months from the date of manufacture.
- The date of handover to the consumer is considered the date the distribution invoice is issued by the Distributor.
- The service life is at least 10 years.

7.1 Warranty Period

The warranty period is 12 months from the date the equipment is handed over to the consumer, but no longer than 42 months from the date of manufacture.

The date of handover to the consumer is considered the date the distribution invoice is issued by the Distributor.

The service life is at least 10 years.

7.2 Warranty Conditions

The manufacturer is obligated to repair any equipment defects caused by manufacturing flaws or defective parts during the warranty period.

The basis for considering warranty claims is a Complaint.

The manufacturer independently decides whether to replace defective parts or repair them on-site.

Completed warranty service does not extend the warranty period. The warranty for replaced parts ends with the expiration of the warranty period.

Warranty conditions are valid with the purchase agreement, unless otherwise stated in the agreement.

7.3 The mentioned warranty obligations do not apply to:

Parts of the equipment and operational materials subject to natural wear and tear.

Damage caused by:

- a) the entry of foreign objects or liquids into the equipment,
- b) natural phenomena,
- c) environmental factors,
- d) activity of animals, insects, or other microorganisms,
- e) unauthorized access to components and parts by persons not authorized to perform such actions,
- f) all mechanical damages and breakages resulting from failure to adhere to the recommendations and requirements of the documentation, including the "Installation and Operation Manual," this passport, and standards, norms, and rules for performing the work.

Various modifications, changes in operating parameters, processing, repairs, and replacements of parts conducted without the approval of the Manufacturer or its Distributor.

Damage caused by downtime during the waiting period for warranty service, as well as various modifications, changes in operating parameters, processing, repairs, and replacements made without the approval of the Manufacturer or its Distributor, are not subject to compensation.

Damage caused by downtime during the waiting period for warranty service and any losses incurred to the client's property are not subject to compensation.

7.4 Warranty Work

Work within the scope of this warranty is carried out within 14 days from the date of submission of the complaint. In exceptional cases, this period may be extended, particularly when time is required to deliver parts or in the case of an inability to perform service at the site.

Parts that are removed from the equipment by service workers during warranty repairs and replaced with new ones are the property of the Manufacturer.

Costs arising from unjustified complaints or interruptions in service work at the request of the complainant are borne by the complainant. Repair work is charged according to the service fees set by the Distributor or Manufacturer.

The Manufacturer has the right to refuse warranty work or service if the client delays payment for the equipment or previous service work.

The client must assist service personnel during the repair work at the equipment's location:

- a) provide timely access to the product and documentation:
- b) ensure security for the service personnel and their property, and comply with all health and safety regulations at the work site,
- c) create conditions for the immediate commencement of work upon the arrival of service personnel and conduct work without obstacles,
- d) provide necessary assistance for performing the work, such as supplying tools, consumables, scaffolding, and free access to electricity.

The client is obligated to accept completed warranty work immediately after its completion and confirm this in writing in the work completion certificate, a copy of which will be provided to the client.

8. Information on Complaints

8.1 The consumer accepts the products in accordance with the "Instruction on the procedure for the acceptance of production and technical products and consumer goods for quality."

8.2 In case of quality discrepancies, the consumer must submit a complaint to the Distributor, which serves as the basis for resolving the issue regarding the legitimacy of the claim.

The list of Distributors and their contact information is provided on the page <https://aerostar.ua/ua/page/kontakty>.

8.3 Complaints to the Distributor must be submitted in writing. Complaints can also be submitted by fax or email.

The complaint should include the product type, factory number, the number of the delivery note, and the date of transfer of the equipment, as well as the installation address, phone numbers, and the full name of the responsible person.

The complaint should describe the issues with the fan, and if possible, include the names of the damaged parts.

Certificate of Acceptance

Air Distribution Unit of HEPA Filter Class _____;

Factory Number (No.) _____

Manufactured and accepted in accordance with the requirements of TU U 28.2 - 35851853-007:2021 and deemed suitable for operation.

Manufacturing Date «__» _____ 202__ year

Quality Control Officer:: _____

(Signature)

(Date)

Appendix A Maintenance Record

Date	Operating Hours Since Start of Operation	Type of Maintenance	Notes on Product Condition	Position, Name, Signature of Responsible Person



Юридична адреса:
03061, Київ, вул. Афанаса Олега, буд. 4,
офіс 230
тел.: +38 044 594-71-08
office@ventservice.com.ua

Виробничі потужності:
Київ, пр-т Відрадний, 95-Б2

Сервісна підтримка:
Київ, пр-т Відрадний, 95-Б2
тел.: +380674464150
service@ventservice.com.ua

Legal address:
03061, Kyiv, Afanas Oleha St., 4,
office 230
tel.: +38 044 594-71-08
office@ventservice.com.ua

Production capacity:
Kyiv, Otradny Ave, 95-B2

Service support:
Kyiv, Otradny Ave, 95-B2
tel.: +380674464150
service@ventservice.com.ua

<https://aerostar.ua>