



Original

Operating instructions with EU declaration of conformity

According to the EC Machinery Directive 2006/42/II B



for the incomplete machine that is incomplete and not functional on its own.

January 2022

Kaitstud / Secured by <https://mereneid.eu/>



by **ebm**papst

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A OPERATING MANUAL

A 1 Photo documentation of the system



Image no. 1
Front view of the dust collector



Image no. 2
Device with the main filter element pulled out and with an opening for changing the filter

NOVA FLAIR GmbH & Co. KG
An der Ronceva 10-12
32312 Lübbecke / Germany



Taifun III GreenTech
230V 50-60Hz 83W
Made in Germany

2019
CE

Image no. 3
Example of a type plate for professional dust collector Taifun III GreenTech

A 2 Safety instructions

A 2.1 Intended Use

The dust collector was built to be installed under a work table or table top and was developed exclusively to extract dust such as is produced when working in the nail salon. Any other use that goes beyond this and does not comply with the accident prevention regulations of the trade association is considered improper. The manufacturer is not liable for any resulting damage. In this case, the user must bear the risk alone.



Intended use also includes, among other things, observing the respective manufacturer's operating instructions for the system components of the dust collector as well as the inspection and maintenance regulations.

The system components are built and linked according to the latest state of the art and the recognized safety regulations. Nevertheless, their use can pose a risk to the user or third parties or damage to the system or other property.

Irrespective of the laws and regulations mentioned in these instructions, the applicable laws and regulations must be observed and the generally recognized rules of technology applied.

A 2.2 Organizational measures

The operating instructions for the Taifun III dust collector must be available to the operating and maintenance personnel at all times.



In addition to the operating instructions, general, company-internal legal and other binding regulations for accident prevention and environmental protection must be observed and instructed.

It must be ensured that the filters are regularly cleaned and dry cleaned in accordance with the instructions for use. If cleaning is no longer possible, the filters must be replaced with the replacement filters specified by the manufacturer. The replaced or clogged filters must be disposed of in accordance with the Closed Substance Cycle and Waste Management Act. The personnel assigned to work on the suction

device must have read and understood the operating manual and in particular the chapter on safety before starting work.

We recommend that the management confirm that the instruction has been carried out by signing it.

All safety and hazard warnings on the system must be observed.

All safety and hazard warnings on the machine must be kept in a legible condition.

In the event of safety-relevant changes to the machine or its operating behavior, the machine must be shut down immediately, the fault eliminated and the responsible department or person reported immediately.

Without the approval of the manufacturer of the dust collector, no changes, additions or conversions may be made to the machine that impair safety. Deadlines for periodic tests/inspections that are prescribed or specified in the operating instructions must be observed. This also applies to maintenance instructions in the documentation of the component manufacturers.

A 2.3 Personnel selection and qualification

Only instructed, mentally and physically capable persons who are at least 16 years old may work on the machine.

Work on the electrical equipment of the dust collector may only be carried out by a qualified electrician or by a „particularly trained person“ under the guidance and supervision of a qualified electrician in accordance with electrotechnical regulations.

specialists and instructed persons in this sense, service technicians/Customer service of the manufacturer or trained electricians.

A 2.4 Safety instructions for normal operation

In the case of commercial use, the dust collector must be checked at least once a year by a qualified person in accordance with the following specifications of the trade association.



BGV A3 „Electrical systems and resources“

In addition, the system must be checked regularly, at least once a year, to ensure that it is operationally safe in accordance with the specifications of the Ordinance on Industrial Safety and Health (BetrSichV). The tests are to be documented according to the specifications.

A Safely fix potential blockages

In the event that a foreign body gets inside the housing or into the blower motors, proceed as follows:

- Disconnect the device from the mains voltage
- Try to remove the foreign body from the outside
- If the foreign body cannot be removed from the outside, the device must be dismantled by a trained specialist and replaced if necessary. be opened.

» Safety instructions



- Any non-intended mode of operation is to be avoided.
- The dust collector may only be operated by people who are mentally and physically fit.
- Make sure that the mains voltage corresponds to the required voltage of 230V.
- The dust collector and filter must be cleaned or replaced regularly according to the manufacturer's instructions.
- Only the filters listed in the operating instructions and provided by the manufacturer may be used.
- Appropriate measures must be taken to ensure that the dust collector is only used when it is in a safe and functional condition.
- Before each use of the dust collector, it must be checked for externally visible damage and defects.
- To avoid electric shock or other hazards, never open an electrical housing and do not insert any objects into the housing.
- The dust collector is protected with a built-in fuse. A defective fuse must not be bridged or replaced with a stronger fuse.
- Safety-related damage (e.g. loosened screw connections, defective protective devices, electrical errors, defective operating devices) must be reported to the responsible supervisor or the manufacturer. The latter must then check whether safe use is still possible.
- Repairs may only be carried out by authorized and competent persons.
- Before starting work, every employee must ensure that nobody is endangered by the use of the dust collector.
- A damaged dust collector must be shut down immediately and secured against being started up again.

A 2.6 Notes on special dangers

A 2.6.1 Electrical power

Only use original fuses with the prescribed amperage! Make sure that the mains voltage corresponds to the required voltage of 230V. In the event of a fault in the electrical power supply, switch off the machine immediately.



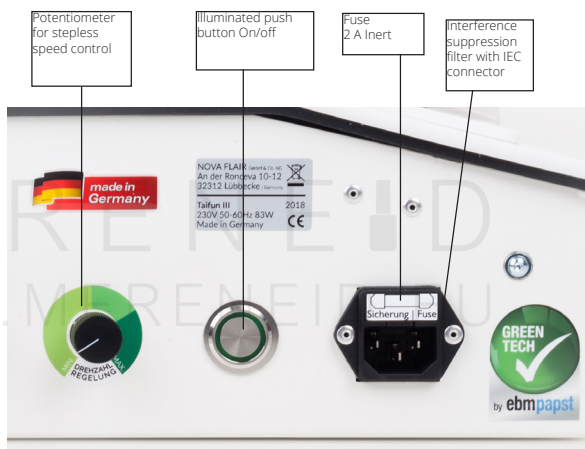
Work on electrical systems or equipment may only be carried out by a qualified electrician or by trained persons under the direction and supervision of a qualified electrician in accordance with electrotechnical rules.

If inspection, maintenance, cleaning and repair work is carried out on machine parts, the dust collector must be disconnected from the power circuit by removing the power plug from the socket or the voltage must be switched off.

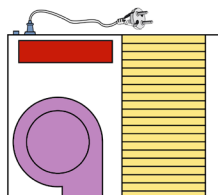
The electrical equipment of the machine must be inspected/tested regularly. Defects such as loose connections or scorched cables must be eliminated immediately.

Image no. 4

Front view of the dust collector with operating devices and mains connection



A 2.6.2 Block diagram / schematic representation of the system



- Blower motors
- Filter and filter guide
- Control and electronics
- Fuse and mains connection

A 2.6.3 Noise

The machine generates only small, barely perceptible vibrations and noise with a rating level of LAR > 58 dB(A). In accordance with the "Noise and Vibrations Occupational Health and Safety Ordinance" (LärmVibrationsArbSchV for short), these are not health hazards.

A 2.7 UVV regulations

The individual employers' liability insurance associations only issue accident prevention regulations (UVV) that are relevant for their area. The collection of individual accident prevention regulations published by the main association of commercial professional associations includes all of the currently valid accident prevention regulations (UVV) issued by commercial professional associations.

Most important accident prevention regulations:

BGV A3

Electrical systems and equipment

BGV A8

Safety and health signs at work

GS-BIA-M02

Principles for testing and certification of dust removing machines and equipment (SBM)

GS-BIA-M06

Principles for testing filters for use in dust-removing machines

VDI 3801

Operation of air conditioning systems

VDI 3803

Air conditioning systems; Structural and technical requirements

VDI 6022

Hygienic requirements for air conditioning systems

LärmVibrationsArbSchV

Noise and Vibration Occupational Health and Safety Ordinance

A 2.8 Instructions for transporting the system

The filters should be inserted and the filter openings closed so that no foreign bodies can get into the device. Suitable cardboard packaging must also be used for transporting the system to prevent foreign bodies from getting into the



suction, the filters or the motors from above. Before rebuilding the system, make sure that there are no foreign bodies in the system itself, in the filters or in the motors.

The installation instructions specified on page 8 below apply to reinstallation.

A 2.9 Instructions for storing the system

The system must always be kept in a dry and dust-free environment. It is also important to use suitable cardboard for this purpose.

Should the system nevertheless become soiled during storage, it must be thoroughly cleaned before installation and commissioning. This should be carried out after instruction by a specialist or an instructed person.

A 2.10 Information on decommissioning, dismantling and disposal

When decommissioning individual system components, the respective manufacturer's operating instructions for the components must be consulted.



If individual parts of the system are removed from the network and the system as a whole continues to be operated, care must be taken to secure possible danger points.

If this affects the safety level of the system in individual areas or overall, the manufacturer's CE declaration of conformity is no longer valid. The operator is responsible for this.

When dismantling larger system parts and assemblies, a risk analysis must be carried out to determine whether this or any risks arise for the employees.

A work plan must specify the work to be carried out in terms of process and safe working.

Nova Flair is a registered trademark of the Electronic Waste Equipment Register (ear).

Our reg. no. at the Stiftung Elektro-Altgeräte-Register:



WEEE-Reg.-Nr. DE 22364359

B INSTRUCTIONS FOR USE

Instructions for use Taifun III GreenTech

Function

The nail dust collector is switched on and off with the green illuminated push button switch.

The speed control is used to continuously adjust the suction power.

Cleaning

It should always be noted that the dust collector must be disconnected from the mains voltage during cleaning and maintenance work!

Use the hand screws (knurled screws) to loosen the removable front panel and carefully pull out the activated carbon lamellar filter using a loop.

The activated carbon lamella filters should be taken out and cleaned about 1-2 times a week (only the upper dust side). If possible, shake it out outside or knock it out and put it back in. Do not treat wet and replace after about a year.

Changing the filters and the frequency of cleaning can vary depending on the effort, care and number of customers.

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C INFORMATION ABOUT THE SYSTEM / TECHNICAL DATA

Professional dust collector for tabletop use

Dust collector	Typ	Taifun III GreenTech	Nova Flair GmbH & Co. KG
	Construction year	See type plate of the respective system	

The dust collector mentioned above was combined with individual machine parts from different manufacturers to form an dust collector.

System part	Type and designation		Manufacturer
Electrical connection value	230V		
	50 - 60 Hz		
	83 W		
Aluminum housing	Housing made of anodised aluminum sheet, powder-coated, dimensions W/H/D approx. 49 x 13 x 45 [cm]		
Gross weight	5 kg		
Switch button	Illuminated single pole ON-OFF push button		
Fuse	2 A Inert		Weltron- Elektronik GmbH
Fan	Radial fan type R3G146-AH2301-01		ebm-papst Mulfingen GmbH & Co KG
Filter	Fine dust lamella filter with an activated carbon coating and a filter area of approx. 3,350 [cm²]		
Maximum flow rate	320 [m³/h]		
Final pressure difference maximum	400 [Pa]		

D EU DECLARATION OF CONFORMITY

For the product described below:

Subject of the declaration:	Dust collector
Type/model:	Taifun III GreenTech

is hereby declared that it conforms to the essential requirements laid down in the harmonization legislation referred to below:

Document no.	Title
2006/42/EG	Directive 2006/42/EC of the European Parliament and of the Council of May 17, 2006 on machinery and amending Directive 95/16/EC (recast)
2014/30/EU	Directive 2014/30/EU of the European Parliament and of the Council of February 26, 2014 on the harmonization of the laws of the Member States relating to electromagnetic compatibility (recast)
2011/65/EU	Directive 2011/65/EU of the European Parliament and of the Council of June 8, 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (recast)

The product described above conforms to the requirements of the following documents:

Reference	Title	Issue Date
Harmonized standards for the Machinery Directive:		
EN ISO 12100 : 2013	Safety of machines - General design principles - Risk assessment and risk reduction	2013-08
EN ISO 13857	Safety of machinery - safety distances against reaching hazardous areas with the upper and lower limbs	2008-03
EN 60335-1	Household and similar electrical appliances - Safety - Part 1: General requirements	2012-10
EN 61310-1	Safety of machinery - Indications, identification and operation - Part 1: Requirements for visual, audible and tactile signals	2008-02
EN 61310-2	Safety of machinery - Indications, identification and operation - Part 2: Requirements for identification	2008-01
EN 61310-3	Safety of machinery - Indications, identification and operation - Part 3: Requirements for the arrangement and operation of operating devices (control devices)	2008-02

Harmonized standards for the EMC directive:

Reference	Title	Issue Date
EN 55014-1 EN 55014-1/A1 EN 55014-1/A2	Electromagnetic compatibility - Requirements for household appliances, power tools and similar electrical equipment - Part 1: Emission	2006-12 2009-05 2011-09
EN 55014-2 EN 55014-2/AC EN 55014-2/A1 EN 55014-2/A2	Electromagnetic compatibility - Requirements for household appliances, power tools and similar electrical equipment - Part 2: Immunity - Product family standard	1997-02 1997-12 2001-12 2008-10
EN 61000-3-2	Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)	2014-08
EN 61000-3-3	Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage power supply systems for devices with a rated current ≤ 16 A per phase that are not subject to any special connection conditions	2013-08

The declaration is made by:

Surname, First name: Herb, Albert
Function: Managing Director /
Document officer


The sole responsibility for issuing this EU declaration of conformity with regard to the fulfillment of the essential requirements and the preparation of the technical documentation lies with the manufacturer:

Name: Nova Flair GmbH & Co. KG
Address: An der Ronceva 10-12
32312 Lübbecke
Germany

Date Location Company stamp and signature of managing partner

01/01/2022 Lübbecke


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Additional information:

- 1 This declaration applies to all specimens that are manufactured according to the corresponding production drawings - which are part of the technical documentation. Additional information on compliance with the above references is contained in the accompanying documentation supporting the statement of conformity.



NAIL AND COSMETICS STUDIO FURNITURE AND EQUIPMENT

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