

# Use and Maintenance Manual



**Universal Extraction Station**

**UES-N**

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## 1. Introductory Remarks

The purpose of the present User's Manual is to supply User with directions within the range of application, installation, start-up and the operational use of the **UES-N Universal Extraction Station**.

**Installing, start up and operational use are exclusively admissible after getting acquainted with the contents of the Use and Maintenance Manual.**

With regard to continuity of work carried on improvement of our products, we reserve for ourselves the revision possibility of the draft and technological changes improving their functional features and safety.

The construction of the **UES-N Universal Extraction Station** meets the requirements of the current state of technology as well as the safety and health assurances included in:

- **2006/42/EC Machinery Directive** of the European Parliament and of the Council of 17 May, 2006 on machinery – amending the 95/16/EC (recast) */Journal of Laws EC L157 of 09.06.2006, page 24/*
- **2014/35/EC Directive** of the European Parliament and of the Council of 26 February, 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits. */Journal of Laws EC L96 of 29.03.2014/*

The device has been constructed and produced on the basis of following harmonized standards:

- **EN ISO-12100:2012** – “Safety of machinery – Basic concepts, general principles for design. Risk assessment and risk reduction”.

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- **EN 60204-1:2010** – “Safety of machinery – Electrical equipment of machines. Part 1: General requirements”.

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## 2. Application

**UES-N Universal Extraction Station** is applied for capturing and removal of dust and gas, arising during grinding with a portable grinding device or during the welding-jewelry activity. The appliance can work with an extraction fan or with a filtering unit.

## 3. Reservations of Producer

- A. Manufacturer accepts no liability for any consequences following from the operational use that is in contradiction to the purpose of application.
- B. Installing of any additional elements not belonging to the normal device structure (or accessory set) is not acceptable.
- C. Any structural changes or modification of the appliance, carried out by User on one's own are not permitted.
- D. Protect the housing from mechanical damage.

## 4. Technical Data

Table No.1

Type	Dimensions of the worktable	Dimensions of the holes in the grate	Weight	Recommended volume flow	Flow resistances
	[mm]	[mm]	[kg]	[m <sup>3</sup> /h]	[Pa]
UES-N	1400 x 707	30 x 44	150	2400	250

## 5. Structure and Function

The station consists of subsequent elements:

- worktable with a grate made of platform grill,
- half-open housing,
- suction chamber with a waste drawer,
- adjustment shut-off damper,
- lighting installation – to illuminate the work field,
- connection fitting piece for the extraction ducting,
- swing door from both sides.

The connection fitting piece can be mounted to the upper housing surface, to the side walls or to the side surface of the suction chamber. The air can be extracted downwards through the grate (of the suction chamber) or upwards through the openings in the housing ceiling.

The air division proportion (up-flow extraction / down-flow extraction) is controlled by a shut-off damper that is placed in the suction chamber housing.

The Universal Extraction Station is equipped with a swinging side door, being closed by a magnet. Therefore, the side walls can be swung aside, when on the worktable are placed larger elements, protruding the outline of the worktable.

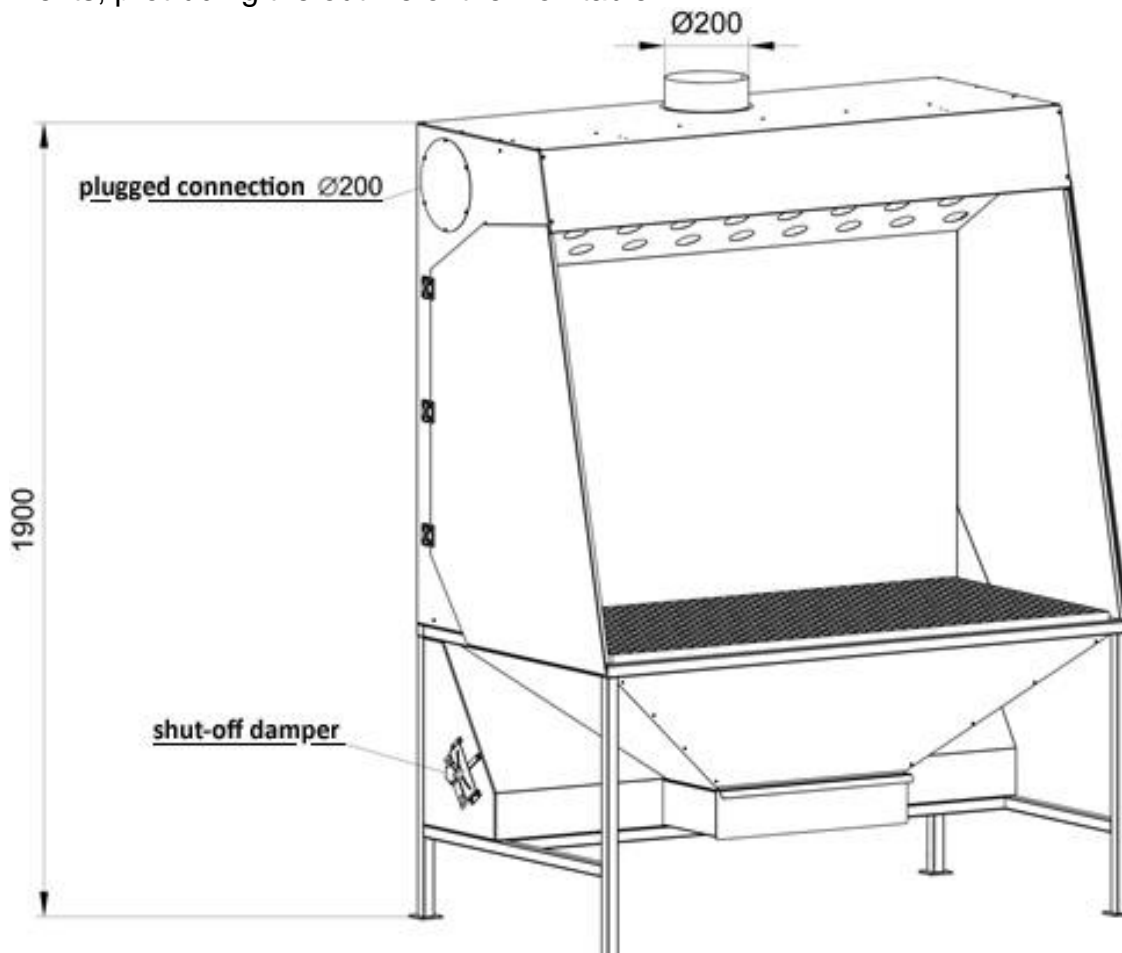


Fig. No.1 – Structure and dimensions of the Universal Extraction Station UES-N

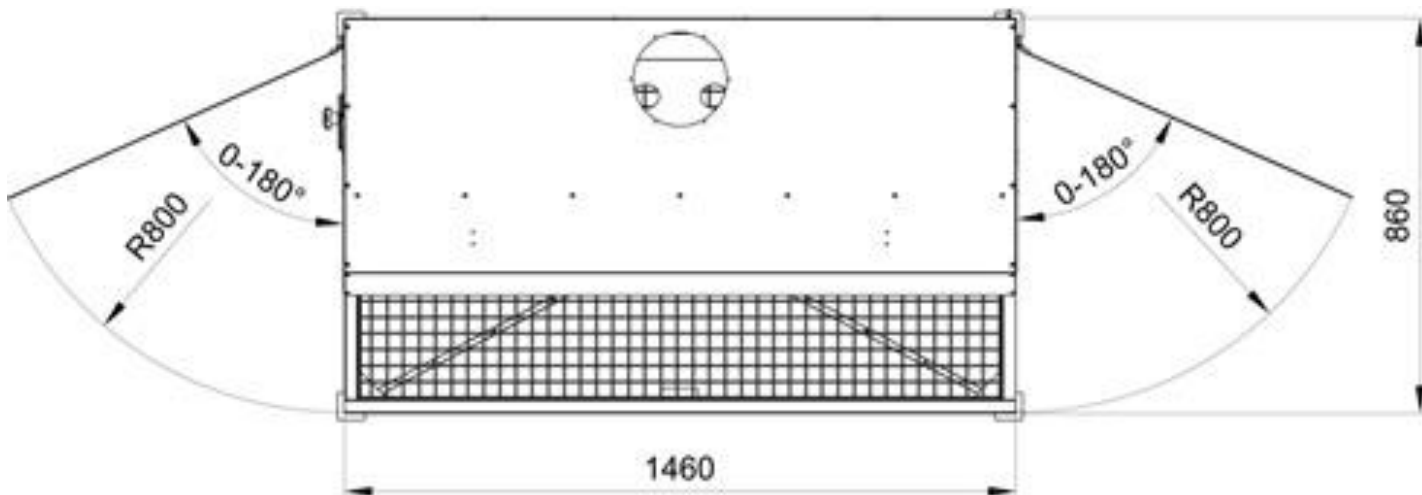
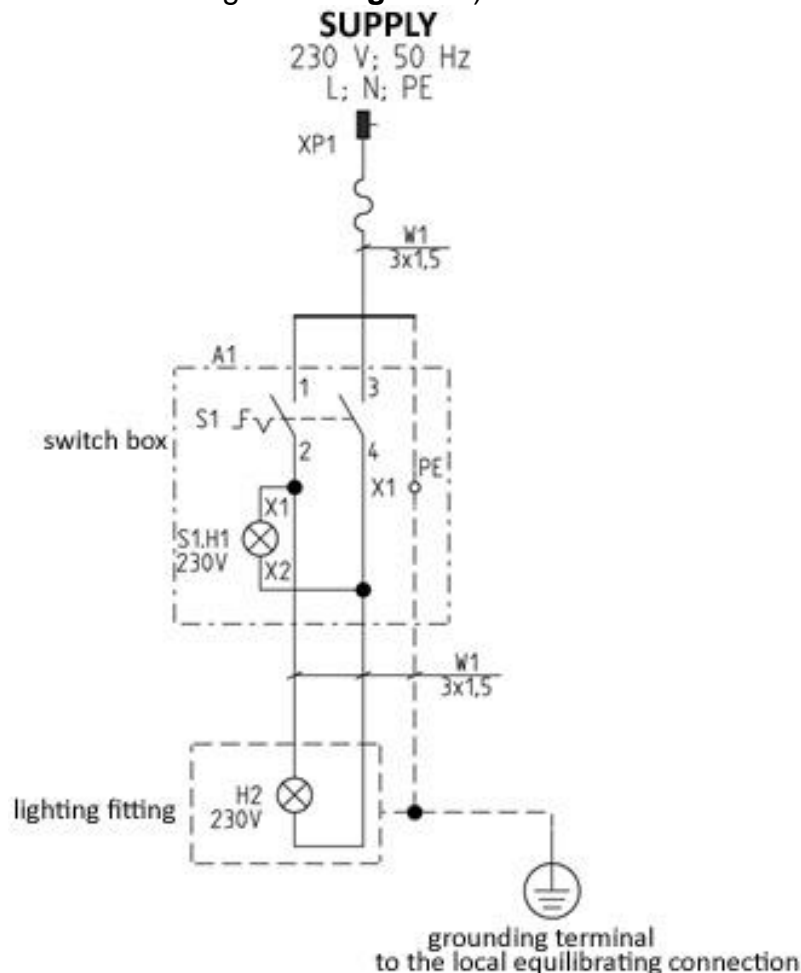


Fig. No.2 – Structure and dimensions of the Universal Extraction Station UES-N – top view

## 6. Assembly and Start-up

The appliance ought to be placed stably on the even floor surface and should be connected to the discharge ducting. Fix the supply cable (power lead) to the terminal box energizing the lighting of the worktable (see Connection Diagram in **Fig. No.3**).



### Caution:

1. Insulation class I
2. Ingress protection IP55
3. On the device place a sticker IEC 60417-5036
4. The motor switch does not disconnect the lighting upon voltage fade and the supply re-gain.
5. The elements of the device ought to be connected with a protective cable.

Fig. No.3 – Connection Diagram of the appliance type UES-N

## 7. Operational Use

The device does not require any special maintenance. Simply, clean the workplace and empty the waste drawer. Device malfunctions and corrective action in such cases are included in **Section 8, Table No.2.**

## 8. Troubleshooting Guide

Table No.2

	Problem	Possible reason	Corrective action
1.	The intake air volume is decreasing	The waste drawer is over-filled	Empty the waste drawer
2.	The intake air volume is decreasing along with the noise rise	An obstacle object, reducing the air flow got stuck within the installation	Unclog the extraction installation remove the barrier object
3.	Larger amounts of pollutants are emerging outside	The waste drawer is not closed tightly	Close the waste drawer correctly

## 9. Maintenance

In the course of operational use, check if the waste drawer is filled up. The construction of the Universal Extraction Station gives possibility of use without routine technical supervision.

## 10. Occupational Health and Safety

Start up and the operational use of the Universal Extraction Station are admissible after getting acquainted with the contents of the present Use and Maintenance Manual.

**WARNING** Any activities concerning the connection to the power supply system ought to be executed exclusively by an authorized person with valid electrical qualifications.

Manufacturer is not responsible for any effects of operational use that is in contradiction with the purpose of application of the appliance.

## 11. Transport and Storage

The appliance ought to be stored in a dry room and in conditions of appropriate ventilation. During the transport it should be in vertical (upright) position and protected from being damaged, scratched, indented, overturned and unwillingly displaced.

## 12. Terms of warranty

The period of warranty for the purchased device is indicated in the “Card of Warranty”.

The warranty does not comprise:

- device failures caused during use which was in contradiction with the purpose of operational use and with the present Use and Maintenance Manual,
- mechanical / electrical damages and malfunctions caused by User,
- modifications and changes on the appliance undertaken by User on one’s own,
- inefficiency or malfunctions following from the normal operational exhaustion / wear.

**Infringement of the section 3 “Reservations of Producer” of the Use and Maintenance Manual and especially modifications undertaken by User on one’s own shall cause the loss of warranty validity.**

## 13. Sample of the Declaration of Conformity

### Declaration of Conformity EC No. ....

Manufacturer (eventually the authorized representative / importer):

name: **KLIMAWENT S.A.**

address: **81-571 Gdynia, ul. Chwaszczyńska 194**

A person, authorized for issuing the technical documentation: Teodor Świrbutowicz, KLIMAWENT S.A.

hereby declares that the appliance:

name: **Universal Extraction Station**

type/model: **UES-N**

serial number: ..... year of production: .....

meets the requirements of the subsequent European Directives:

- **2006/42/EC Machinery Directive** of the European Parliament and of the Council of 17 May, 2006 on machinery – amending the 95/16/EC (recast) */Journal of Laws EC L157 of 09.06.2006, page 24/*
- **2014/35/EC Directive** of the European Parliament and of the Council of 26 February, 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits. */Journal of Laws EC L96 of 29.03.2014/*

The device has been constructed and produced on the basis of following harmonized standards:

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- **EN 60204-1:2010** – “Safety of machinery – Electrical equipment of machines. Part 1: General requirements”.

.....  
place, date

.....  
signature of authorised person

.....  
name, surname, function  
of the signatory

**KLIMAWENT S.A.**

**Supported Employment Enterprise**

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District Court Gdańsk-Północ  
in Gdańsk, VII Wydział Gospodarczy  
of the National Register of Court  
KRS 0000308902 company stock  
13.779.200 zł paid in total

NIP: 958 159 21 35

REGON: 220631262

Bank Account: **Santander Bank Polska S.A.**

56 1500 1025 1210 2007 8845 0000

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