

# Use and Maintenance Manual



## Cabin for smokers **SMOKING BOX** **SMOKING BOX-2-DUAL**

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800078 SMOKING BOX 31.05.2019/EN  
800069 SMOKING BOX-2-DUAL 31.05.2019/EN

## 1. Introductory Remarks

The purpose of the present Use and Maintenance Manual is to supply User with directions within the range of application, installation, start-up and the use of the **SMOKING BOX cabin for smokers**.

**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 **SMOKING BOX cabin for smokers** 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 May 17<sup>th</sup>, 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 February 26<sup>th</sup>, 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/*

Additionally, the appliance meets following harmonized standard:

- **EN ISO-12100:2012** – “Safety of machinery – Basic concepts, general principles for design. Risk assessment and risk reduction”
- **EN 60204-1:2018-12** – “Safety of machinery – Electrical equipment of machines. Part 1: General requirements”.

## 2. Application

**SMOKING BOX cabin for smokers** is designed for smokers, as a device giving comfort and good conditions as well as ensuring hygienic environment.

Additionally, it protects the non-smokers from the passive smoking. There is enough place for maximum 4 people in the cabin.

Manufacturer offers a larger version of the ventilation cabin – **SMOKING BOX-2-DUAL**, providing place for eight people.

Intense ventilation, along with perfect filtration of the cigarette fume gives an effect of clean air around the cabin.

SMOKING BOX ensures an efficient protection of the non-smokers in public places as: offices, pubs, restaurants, waiting rooms, laboratories as well as industrial rooms.

As the cabin is not depended on the ventilation system of the building, it can be installed deliberately in a chosen place.

## 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.** Do not undertake any structural changes or constructional modifications on the device on one's own.

**D.** Protect the appliance's housing from mechanical damage.

**E.** Any repair is allowed to be carried out by an authorised person only.

## 4. Technical Data

Table No.1

Type of the device	Volume flow	Supply voltage	Motor rate (fan motor)	Acoustic pressure level – measured at the distance of 1 metre	Weight of the active carbon	Device weight
	[m <sup>3</sup> /h]	[V]	[W]	[dB(A)]	[kg]	[kg]
<b>SMOKING BOX</b>	480	230	124	59	20	400
<b>SMOKING BOX-2-DUAL</b>	960	230	248	59	40	710

**CAUTION:** On demand of Customer we offer a one year servicing within the range of maintenance and replacement of filters.

### Replaceable filters:

#### High-efficiency filter

	Type	Filtration efficiency	Filtration class
		FA-SMOKING BOX	99,95%

#### Carbon filter

	Type	Weight of the activated carbon [kg]
		FW-SMOKING BOX

## 5. Structure and Function

The SMOKING BOX Cabin for Smokers is constructed of aluminium profiles. The walls and the door are of hardened glass, ensuring safety and aesthetic aspects of the cabin.

At the cabin ceiling, there is a **PD-1** smoke absorber (see **Fig. No.1** below), containing filtration cartridges absorbing the tobacco fumes. The absorber case is of zinc-coated steel.

In the upper part of the absorber, is located a fan of a low acoustic pressure level.

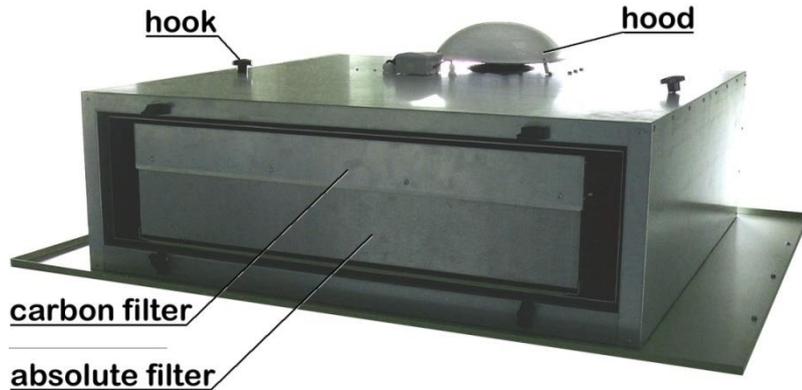
PD-1 smoke absorber consists of subsequent elements:

- high-efficiency dust stop filter **HEPA**, class **H13** – capturing the tarry particles at **99,95%** efficiency,
- a filter of granulated activated carbon – absorbing the noxious gaseous impurities (nicotine, carbon monoxide etc.).

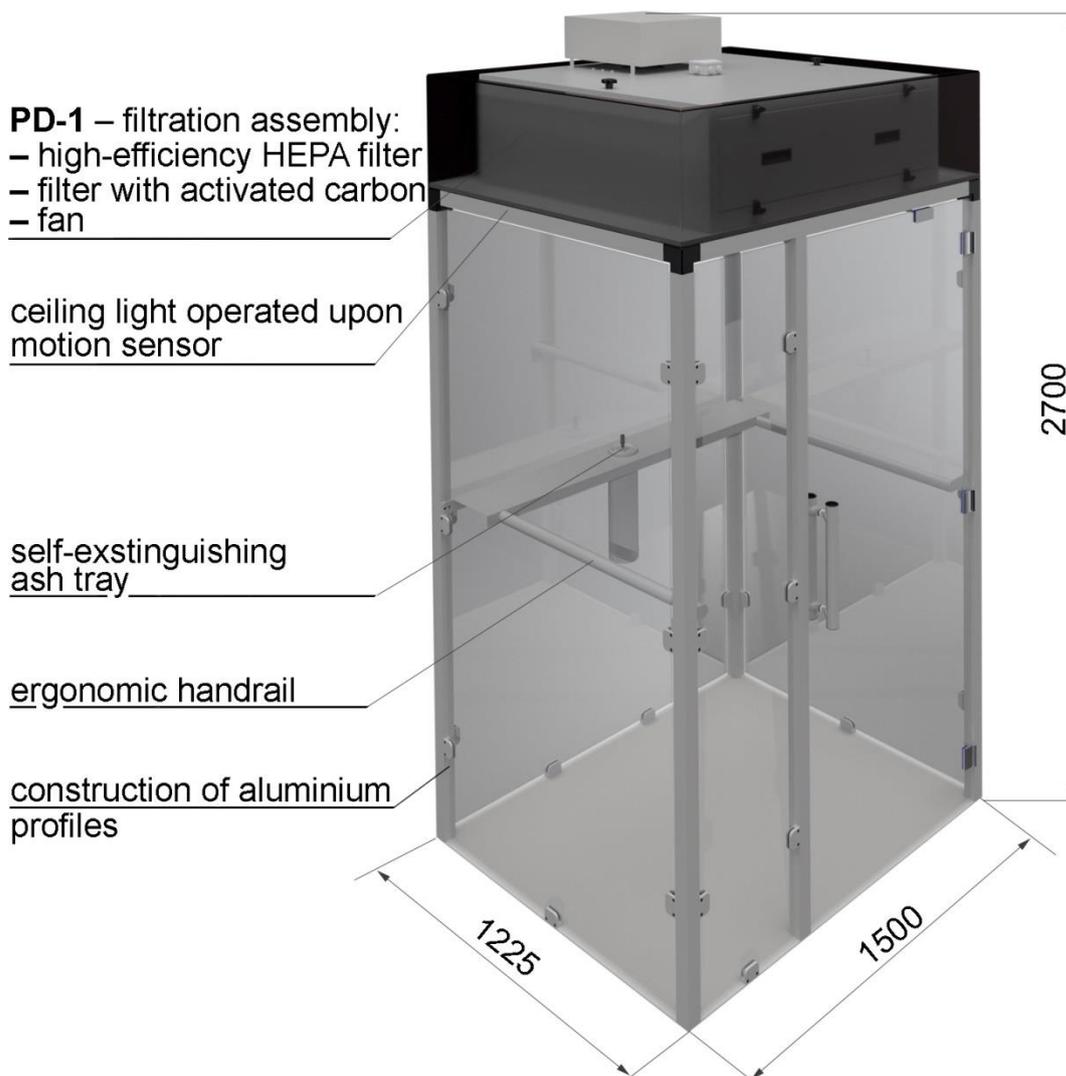
The smoke-laden air is drawn in through the slots of the supporting construction. The contaminated with nicotine air (in the cabin) is getting cleaned in the **PD-1** filtration assembly, and subsequently discharged outside the cabin.

Two versions of the appliance are available: **SMOKING BOX** and **SMOKING BOX-2-DUAL** varying in size. The capacity of the glass cabin **SMOKING BOX** is 4m<sup>3</sup>, whereas the capacity of **SMOKING BOX-2-DUAL** – 8m<sup>3</sup>.

Volume flow of the fan: 480 and 960 m<sup>3</sup>/h respectively, which gives 120 air exchanges an hour in both cases (the **SMOKING BOX-2-DUAL** is equipped with two fans).  
 The cabin are equipped with a self-extinguishing ashtray (**SMOKING BOX-2-DUAL** two ash-trays). Under the ceiling there is a motion sensor operated lamp.  
 The cabin construction provides disassembling possibility; it is easy in transporting and in install in another place of use. Structure and dimensions are illustrated in **Fig. No.2** and **No.3**.



**Fig. No.1 – Smoke absorber PD-1**



**Fig. No.2 – SMOKING BOX – Structure and Dimensions**



**Fig. No.3 – SMOKING BOX-2-DUAL – Structure and Dimensions**

## 6. Assembly and Start-up

Installing of the cabin has to be carried out by KLIMAWENT S.A. service right at the appointed by User location. Assembly activities consist in installing the cabin along with the smoke absorber and with the connections to the power supply.

On demand of Customer, the cabin can be delivered disassembled, in parts to be put together on one's own. For this purpose is issued a separate "Cabin Assembly Manual".

Having installed the cabin, carry out the connections of the control unit according to the enclosed "Connection diagram" – supply voltage 230, 50Hz. Within the supply, it is necessary to apply a short-circuit- and current differential protection. Connect the metal housing of the cabin using a 4mm<sup>2</sup> cable with an approved grounding installation.

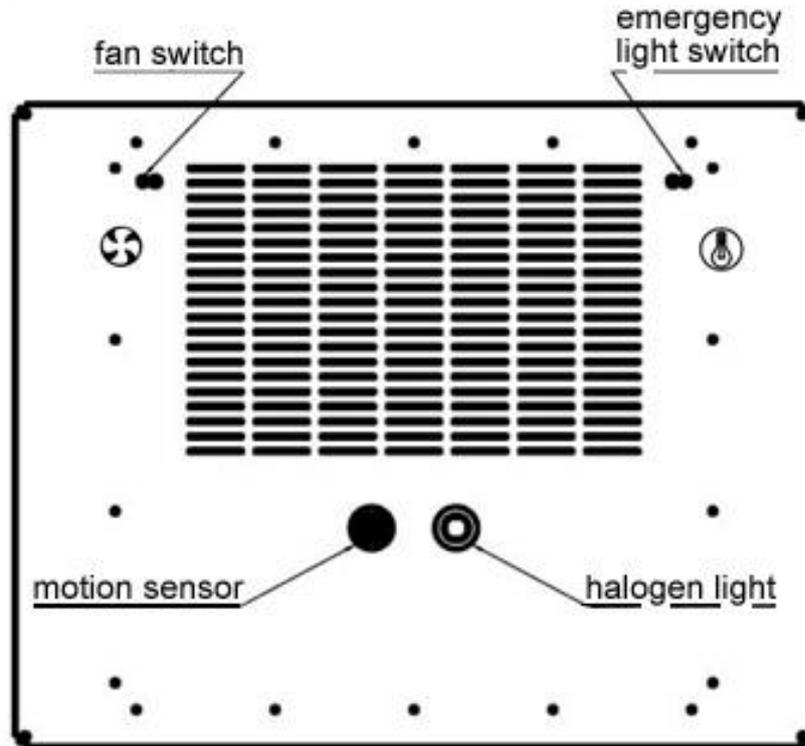


**WARNING** Connection to the power supply system has to be performed exclusively by an authorised person with qualifications.

## 7. Operational Use

In the bottom surface of the smoke absorber there are following elements:

- fan switch S1
- emergency light switch S2
- motion sensor K1
- halogen spot-light H1



**Fig. No.4 – PD-1 smoke absorber – bottom plate – location of switches and lamps**

After smoker enters the cabin, the **H1** lamp switches automatically on (upon **K1** motion sensor). If the **H1** halogen does not switch on itself, it should be switched on manually by the emergency light switch **S2**. To operate the fan use the **S1** switch.

User decides on one's own, how long should the fan work (to clean the air). After manufacturer, the fan should work continuously, i.e. 24 hours a day.

**Replace the filtration cartridges every 12 months.** To replace the filter:

- remove the plastic guard of the smoke absorber,
- open the absorber cover,
- put the hooks (see Fig. No.1) onto the handles of the carbon filter,
- lift and slide out the carbon filter,
- pull out the absolute filter,
- to load up the new filters, follow the above mentioned steps in reverse sequence.

The everyday maintenance consists in emptying the ashtray and cleaning the cabin inside.

**Caution:**

1. On demand we offer a one year service including the technical survey and replacement of filters.
2. **SMOKING BOX** meets the requirements of the regulation on health protection against the consequences of smoking tobacco from 8 April 2010.

**Caution:** Cassettes with activated carbon ought to be utilized, according to the regional law of the country.

## 8. Troubleshooting Guide

Table No.2

Problem	Possible reason	Corrective action
Decrease in efficiency of fume absorbing and elimination of unpleasant smell	The absorption ability of the filters is exceeded	Replace the worn out filters for new
Extraction efficiency decreases along with the increased noise	The fan is faulty	Replace the fan
The halogen light does not go on, while the fan works correctly	The halogen bulb is burned out	Replace the bulb
The cabin door do not close	The self-closing mechanism is not functioning correctly	Adjust the self-closing mechanism

## 9. Maintenance

Construction of the device guarantees its efficient function without the constant routine maintenance. In case when malfunction is noticed, follow as described in the instructions in the Section 8 above and contact the manufacturer.



**Any technical survey and repair activities on the device, have to carried out exclusively after disconnection from the power supply system.**

During the filter replacement and the periodical technical surveys (every 12 months), clean the chamber of the fume absorber.

## 10. Occupational Health and Safety

Start-up and maintenance have to be carried out exclusively after getting acquainted with the contents of the present Use and Maintenance Manual. Connection to the power supply should be executed strictly according to the enclosed Connection Diagram and exclusively by a qualified person.



**Any technical revisions and repair activities should be carried out after the device is disconnected from the power supply system.**

## 11. Transport and Storage

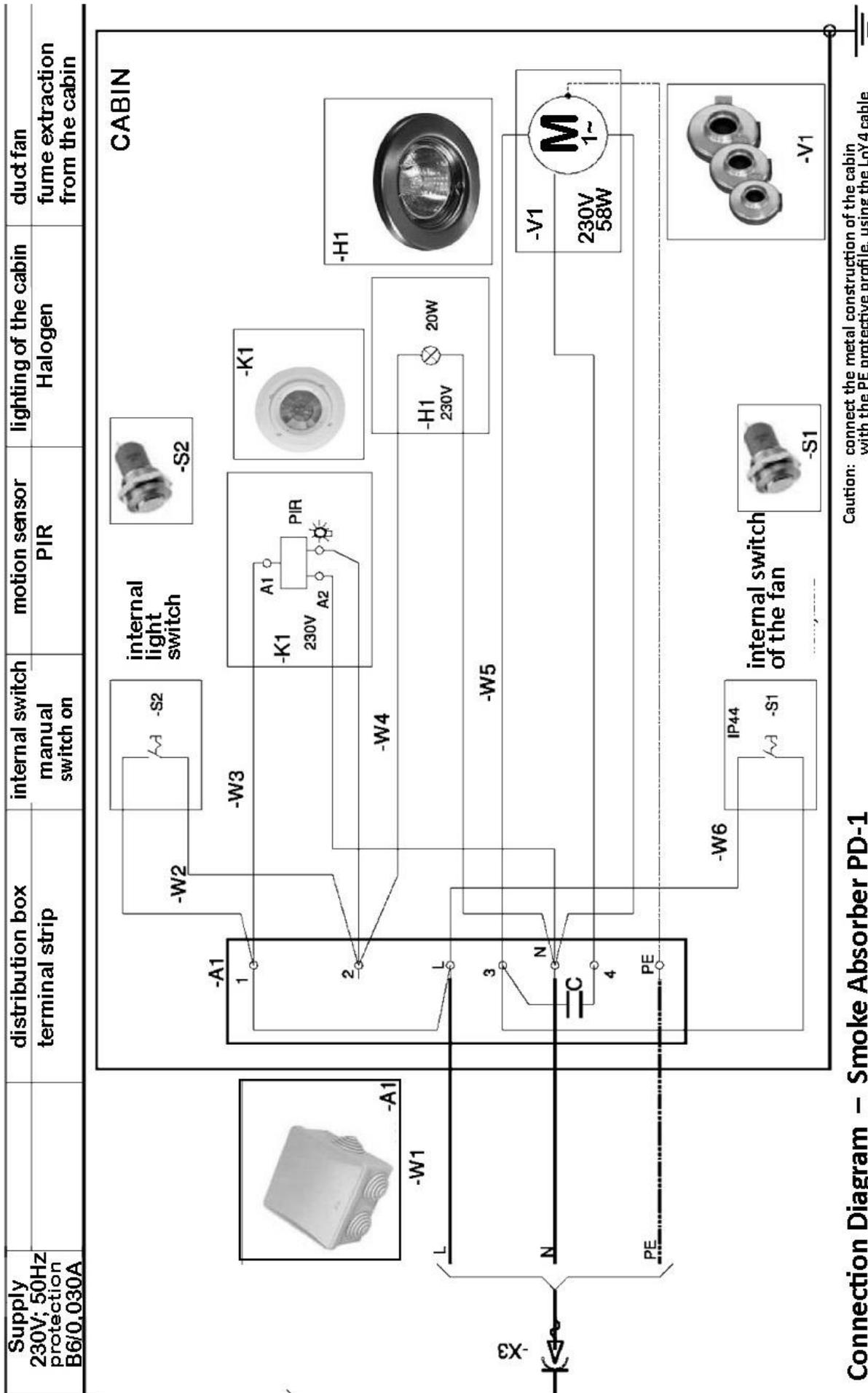
The cabin can be delivered and installed by the manufacturer's service team. In case of installing on one's own by Customer – transport to the place of use should be ordered by Purchaser. The appliance is transported in a disassembled state.

## 12. Terms of warranty

The period of warranty for the purchased device is indicated in the "Card of Warranty". The warranty does not comprise:

- mechanical damages and malfunctions caused by User,
- device failures caused during use which was in contradiction with the purpose of application and with the present Use and Maintenance Manual,
- any damages being caused during improper transport, storage or incorrect maintenance.

Infringement of the Clause G Section 3 "Reservations of Producer" of the present Use and Maintenance Manual and especially modifications undertaken by User on one's own or use in contradiction with the purpose of application – shall result in the loss of warranty validity.



**Connection Diagram – Smoke Absorber PD-1**

## 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, Chwaszczyńska 194**

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

hereby declares that the appliance:

name: **cabin for smokers**

type/model: **SMOKING BOX**

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*/

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.....  
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

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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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