

USER MANUAL

(Original manual)

DPF 
MASTER FLASH
by **XTON**



DPF MASTER FLASH PROFESSIONAL PLUS
Device for regenerating DPF/FAP/GPF particulate filters and SCR catalysts.

Model: DPF 300



The manufacturer of the machine within the meaning of Directive 2006/42/EC and Regulation (EU) 2023/1230 is:

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2. General information

This user manual has been prepared in accordance with the Regulation of the Minister of Economy of 21 October 2008 on the essential requirements for machinery (Journal of Laws No. 199, item 228). The machine has been designed and manufactured in accordance with the requirements of Directive 2006/42/EC of the European Parliament and of the Council of 17 May 2006 on machinery, taking into account the provisions of Regulation (EU) 2023/1230, which replaces that Directive, and bears the CE mark.

This user manual is a collection of technical information on the device intended for cleaning DPF/FAP/GPF filters and catalytic converters. Furthermore, this manual provides general guidance on the process of cleaning and regenerating filters.

The manual describes how to set up, operate and perform basic maintenance procedures on the device.

The user manual contains important guidelines for the safe and proper operation of the device. Following the user manual helps prevent hazards, reduces costs associated with repairs and downtime, and increases the reliability and service life of the device.

Every person operating (hereinafter referred to as the operator) or assisting during the operation of the device is required to familiarise themselves with the user manual and comply with safety requirements. The device may only be started, operated and serviced after prior familiarisation with this manual, as well as after detailed training on safety rules for use. The user manual is available on the manufacturer's website. The device operator is obliged to make the user manual available to the user and to ensure that it has been properly understood.

The operator and any other person carrying out activities using the device undertake to act in accordance with the instructions set out in this document and the rules arising from legal regulations and health and safety regulations.

This manual does not exempt the user from applying and complying with general regulations concerning accident prevention and environmental protection, nor does it replace on-the-job training.

3. Description of safety symbols used in the manual

Safety instructions are marked with a warning sign and a signal word. The signal word (DANGER, WARNING, CAUTION) describes the severity of the potential hazard and has the following meanings:



DANGER

Indicates an immediate danger with a high risk of death or serious injury (loss of body parts or long-term damage) if not prevented.

Failure to follow this instruction may result in death or serious injury.



WARNING

Indicates a potential danger of moderate risk death or (serious) injury if not prevented.

Failure to follow this instruction may result in death or injury.



CAUTION

Indicates a low-risk hazard that may cause minor or moderate injury or property damage if not prevented.

Failure to follow this instruction may result in personal injury.

Important information, instructions, recommendations and notes are marked with an information symbol and a signal word, the meanings of which are set out below:



IMPORTANT

Indicates information and instructions that are essential for maintaining the machine in good working order or that facilitate its correct use, optimisation of operation or storage.

Failure to comply may lead to disruption of the process, damage the machine or the surrounding area.

4. Safety symbols used



Warning: hot surface



Warning of risk of electric shock



UWAGA !!!
MOŻLIWOŚĆ ZMIAŻDŻENIA

Caution: risk of crushing



Main switch



Wear safety goggles



Wear protective gloves



Wear ear protection

5. Preparing the pneumatic system

The air supply process is of paramount importance for the correct operation of the device. By following the recommendations below, you will ensure maximum performance:

The pneumatic system connection should meet the following conditions:

- Air pressure 6–8 bar (90–100 psi)
- Effective compressor capacity at 7 bar: 20 m³/h (333 l/min)
- Minimum air tank capacity: 100 L
- Minimum internal diameter of the pneumatic hose: 12 mm
- Hose terminated with a DN 7.2 mm pneumatic quick-connect coupling

NOTE



Compressed air supplied to the machine from the plant's central system must be purified and free from solids and moisture. Any contaminants or water may cause damage to valves and pneumatic hoses. The user should install a compressed air preparation unit, equipped with a separator and a 5µm particle filter, between the air tank and the machine's air inlet connection.



CAUTION

Before connecting compressed air to the device, ensure that all pneumatic components in the device are in a safe position.



IMPORTANT

To ensure optimal compressor operation, it is recommended to use an air tank with a capacity of over 100 litres. A larger air tank helps to reduce the frequency of compressor activation.

6. Preparing the electrical installation



DANGER

There is a risk of fatal electric shock if the electrical connection is not carried out correctly!

A 32A/5P PCC socket is required to connect the appliance.

An incorrectly installed electrical connection may render the operation of the device unsafe and result in personal injury and property damage.

Electrical electrical may be only by with
with appropriate training and persons qualified to carry out this work.

The technical connection conditions for connection to the electricity supplier's low-voltage network must be observed.

Confirm the necessary connection parameters from the rating plate, which should correspond to the specified values of 3~/400 V, power 12 kW.

Based on the parameters read, select the appropriate cable cross-sections (not less than 2.5 mm²), TN-S system recommended.

The device must be connected via a three-phase 40A 0.03A residual current circuit breaker, which should be installed by a qualified person.

7. Warranty and guarantee

The general warranty period for this device is 12 months.

Wear-and-tear parts are not covered by the warranty. For equipment purchased from the manufacturer, the suppliers' warranty terms apply.

The warranty and liability for personal injury and property damage are excluded if the causes result from the following situations:

- a) Use of the device contrary to its intended purpose.
- b) Incorrect operation and maintenance of the device.
- c) Operation of the device with incorrectly installed or non-functioning safety devices.
- d) Operating the device with damaged or partially non-functional parts or components.
- e) Failure to follow the operating instructions in full.
- f) Unauthorised modifications to the design or changes to the rated parameters.
- g) Incorrectly carried out repairs.
- h) Force majeure.

Interference with the device and its systems, as well as any modifications not agreed with the manufacturer, in particular to electrical, mechanical or hydraulic components, may result in the loss of the warranty, the revocation of the declaration of conformity and the loss of the right to use the CE mark.

8. Safety instructions

8.1 General instructions

Read the operating instructions carefully before starting the machine! Familiarisation with the operating manual is essential even if the operator already has experience working with similar equipment. During operation of the equipment, current health and safety regulations apply in addition to the information contained in this manual. For components and parts supplied by the manufacturer, follow the safety instructions for the relevant components.

Before starting work, always check the machine for the presence of safety devices and ensure they are functioning correctly. Safety devices must not be removed or deactivated. Faults or errors that pose a safety risk must be rectified immediately. Only employees assigned tasks by the person responsible for the system, and who have been trained and familiarised with the operation of the equipment, may be involved in work on the equipment. Areas of responsibility must be clearly defined.

Do not leave the machine running unattended; if you need to leave the work area, switch the machine off.

8.2 Safety instructions before operating the equipment

Before starting to use the machine, connect it to the pneumatic and electrical systems and carry out the following safety checks:

a) Door check

To do this, open the door. At this point, it must not be possible to switch the machine to automatic mode.

b) Emergency stop system check

Press the emergency stop switch. When pressed, the machine should sound an alarm and it must not be possible to switch it on.

c) Check of pressure hoses and their fixings

To do this, check all the fastenings (clamps) of the pressure hoses, starting from the pump through the filter system to the chamber, and tighten the clamp fastening screws if necessary.

d) Checking the ball valves

Check that the drain valve (at the rear of the unit), the filter drain valve, and the system vent valve (next to the liquid pressure gauge) are closed, i.e. the valve handle is positioned perpendicular to the valve.

e) Checking the phase sequence sensor

Open the electrical cabinet and check the phase sequence sensor (CKF-316). The LED on the unit should be lit green.



CAUTION

Safe use of the machine depends on compliance with the instructions in this manual.

8.3 Safety instructions for operating the machine

For safety reasons, please follow the instructions set out in the following points:

- a) The device must not be used to clean filters containing dust-air mixtures or hybrid mixtures.
- b) When using dust-air mixtures, the unit must be of an explosion-proof design. The relevant regulations must be observed in this regard.
- c) To keep the risk posed by people and the equipment to a minimum, the use of any kind of open flame and smoking are prohibited in the washing chamber and in the vicinity of the equipment.
- d) It is also prohibited to eat in the vicinity of the equipment.
- e) The person operating the device must wear gloves and safety goggles.
- f) During the automatic regeneration process, the operator must remain within a distance that allows for an immediate response to ensure an acceptable reaction time in the event of an emergency.
- g) The regeneration process must be stopped before opening the door.

To enhance safety, the following components of the machine must be inspected regularly, at least once a week but no less frequently than once a month:

- a) Door check
To do this, open the door. At this point, it must not be possible to switch the unit to auto mode.
- b) Emergency stop system check
 - Switch on the machine using the main switch. Then press the emergency stop switch. When pressed, the machine should sound an alarm and it must not be possible to switch it on.
 - Start the device in automatic mode. Then press the emergency stop switch. When pressed, the device should stop the process and sound an alarm.
- c) Inspect the pressure hoses and their fixings.
To do this, check all the fastenings (clamps) of the pressure hoses, starting from the pump through the filter system to the chamber, and tighten the clamp fastening screws if necessary.

**WARNING**

Before each start-up of the machine, check that all protective devices and safety systems are undamaged and functioning correctly.

**WARNING**

Protective devices must not be bypassed, removed or rendered inoperable in any other way. Dismantling may only be carried out by authorised and trained personnel, after the machine has been stopped and secured against being switched on again (e.g. by locking the main power switch).

8.4 Safety instructions for maintenance and repair work

Before commencing maintenance and repair work, the unit must be disconnected from the power supply. The power supply is disconnected by pulling the power plug out of the socket. Work on live installations and equipment may only be carried out by qualified technical personnel and in accordance with applicable regulations (Journal of Laws 2019, item 1830, Regulation of the Minister of Energy of 28 August 2019 on health and safety at work with power equipment).

**CAUTION**

When cleaning the device, a protective mask and gloves must be worn (masks protecting against fine dust, filter class: FFP 3 in accordance with standard PN-EN 149+A1:2010)

8.5 Hazards and safety measures

The main hazard-generating factor, apart from the general and mechanical components of the device (pneumatic filter clamping system – optional, filter chamber/filter housing), is the filter regeneration process itself. To reduce the risk, the device has been enclosed and fitted with monitored safety doors. Furthermore, to reduce or completely eliminate the risk, the following areas of risk occurrence are identified:

1. Water system:

Possibility of leakage of the liquid used in the regeneration process (potential for leaks related to: operation of the unit – sealing of pipes and active components, uncontrolled and unauthorised opening of the chamber – dripping from the door during the process) – to minimise the risk, the manufacturer recommends a quarterly service inspection of the water system and the installation of a drip tray.

2. Drying system:

Risk of exposure to high temperatures at the rear of the unit (external piping of the drying system). The manufacturer recommends positioning the unit in such a way as to prevent unrestricted access to the rear of the unit.

Emergency stop switches have been installed in the operating area to enable the safe shutdown of the unit in the event of a hazard.

8.6 Procedure following activation of the emergency stop switch

If the emergency stop switch is activated due to a device failure, you should:

1. Identify the cause – where the problem/fault occurred.
2. Repair the fault immediately; unless service intervention is required, notify the manufacturer's service department.
3. Once the problem/fault has been rectified, thoroughly test the work carried out.
4. Unlock the emergency stop switch.
5. Start working with the equipment with particular caution after the repair. Do not move away from the equipment, monitoring the effect of the repair work at all times.

9. Installation and assembly of the device

The unit is fitted with swivel castors, including two front castors with brakes. The unit may be transported using a pallet truck or forklift, but only if a pallet is positioned beneath the unit between the castors and secured to the unit in such a way as to prevent accidental movement whilst the unit is being moved by a forklift or pallet truck. When carrying out this work, ensure that the forks are properly inserted under the pallet, which is temporarily secured to the base of the unit.



CAUTION

Before commencing assembly and installation of the machine, please read this operating manual and all appendices.



CAUTION

There is a risk of the machine tipping over during handling and transport.

The installation site must be stable, level and dry. The ambient temperature must comply with the temperature specified in the technical data section.

The machine must be connected to:

- the mains supply – via a 400-volt CEE industrial plug – which complies with the permissible deviation parameters specified by the mains supplier,
- the water supply – using a hose connected to a water tap,
- the compressed air system – using a hose with a minimum diameter of 12 mm (1/2").



DANGER

It is prohibited to operate the machine in potentially explosive atmospheres. Appropriate measures must be taken to ensure that materials used in the vicinity of the machine do not pose an explosion hazard.

10. Workstation

The machine may be operated by a single operator, whose workstation should provide a clear view of the entire machine's working area and allow access to all mechanisms requiring operation during normal use. The workstation must be well lit by natural or artificial light to ensure good visibility. The operator should be as close as possible to the emergency stop switch located on the electrical cabinet. This will enable a rapid response in the event of a breakdown or a situation posing a risk to life or health.

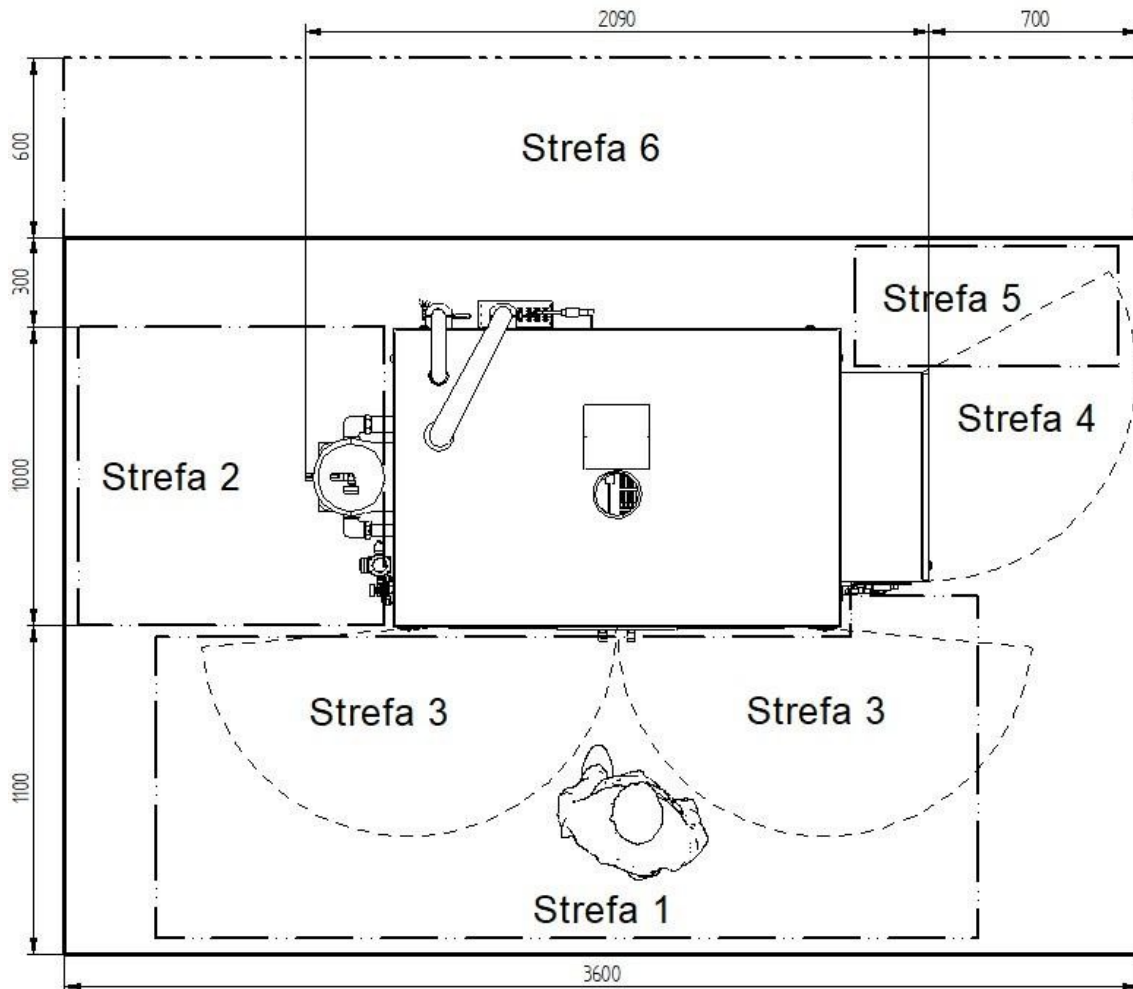


Figure 1 Top view of the workstation

Division into zones:

1. Working zone (basic operation of the machine)
2. Filter cartridge replacement and power connection operation zone
3. Zone for opening the device chamber door
4. Zone for opening the electrical cabinet door
5. Liquid drain valve operation zone
6. Additional maintenance area

11. Intended use of the unit

The unit enables the cleaning of almost all DPF/FAP/GPF particulate filters and SCR catalysts. It is recommended to use cleaning agents specifically designed for the XTON DPF CLEANER series.



IMPORTANT

Consumables can be purchased on the website: xton24.pl

Intended use also includes:

- Compliance with all guidelines set out in this manual,
- timely and proper inspection, repair and maintenance by authorised personnel,
- complying with the prohibition on making any modifications to the machine, guards and protective devices that could compromise safety,
- carrying out work to improve operational safety.

12. Improper use of the equipment

For safety reasons and to ensure the correct operation of the device, the following points must be observed:

1. The device must not be used to clean filters containing dust-air mixtures or hybrid mixtures.
2. It is prohibited to use solvent-based cleaning agents in the device, such as: isopropanol, extraction gasoline, nitro solvent, etc.
3. Do not operate the device with incorrectly fitted or non-functioning safety devices.
4. Do not operate the device with damaged or non-functioning guards, parts or components.
5. Do not operate the device if the liquid level is too low or if there is no liquid.
6. Do not operate the cleaning pump if the suction basket is visibly dirty.
7. Do not use washing hoses if the bending radius is less than three times their diameter.
8. Do not modify the machine, its design or change its rated parameters without authorisation.
9. Do not exceed the machine's permissible operating parameters.
10. It is not recommended to use consumables other than those recommended by the manufacturer.
11. Use the required personal protective equipment.
12. The operating instructions must be followed in full.
13. It is prohibited for persons who are intoxicated or under the influence of medication or psychoactive substances to operate the device.

13. Residual risk

The machine has been designed and manufactured in accordance with applicable regulations and the best available technical knowledge. Despite the use of appropriate design, the best materials and safety measures aimed at eliminating hazards, certain risks during machine operation are unavoidable.

Residual risk arises primarily from improper operation of the machine by the operator or maintenance staff, relating to both operation itself and repairs, maintenance or inspections, and may occur when performing prohibited activities listed in Chapter 11.



WARNING

Please note that residual mechanical, electrical, hydraulic and pneumatic energy is present in the machine and its immediate surroundings, and that hazards from other sources may also exist.

To eliminate or minimise the above-mentioned hazards/residual risks, the following rules must be observed:

- 1) the machine must be accompanied by an operating manual, and this manual must be accessible to the operator and service personnel,
- 2) read the manual carefully, follow the rules set out therein, and strictly observe the instructions, guidelines, warnings and prohibitions, which will help prevent accidents,
- 3) the machine, its safety devices, accessories, tools and instruments used must be in good working order and function correctly,
- 4) only persons who have acquired the necessary knowledge and experience in the following areas may be authorised to operate the machine: the ability to operate it safely, and the ability to identify faults and malfunctions in the machine's operation,
- 5) maintenance, repairs and inspections may only be carried out by persons familiar with the operating instructions, who have been trained and hold the appropriate qualifications,
- 6) inspections, maintenance and repairs must be carried out in a timely manner only after disconnecting the electrical, hydraulic and pneumatic power supplies and ensuring that all moving parts of the machine are stationary, thereby reducing the risk of impact, crushing and electric shock,
- 7) use the required personal protective equipment, including during repairs,
- 8) secure the machine/workstation against unauthorised access.

Compliance with the recommendations set out in this manual will significantly eliminate residual risks and allow the equipment to be used without posing a hazard to people, the machine or the environment.

The residual risks identified, provided the above rules are followed, are estimated to be negligible – highly unlikely. The residual risk remaining after the implementation of protective measures against hazards, the fulfilment of all safety functions and compliance with the above rules is at an acceptable safety level.

However, the above recommendations do not exhaust the possibilities of using other methods to avoid hazards and do not exempt the user from taking additional steps aimed at further increasing the safety of operating the device.

14. Description of the device

14.1 Technical specifications

Weight	650 kg
External dimensions (L x W x H)	206 x 120 x 210 (cm)
Internal chamber dimensions (L x W x H)	141 x 89 x 109 (cm)
Tank capacity	277 litres
Operating pressure	6–8 bar (90–100 psi)
Voltage	3 x 400V
Max power	12 kW
Frequency	50 Hz
Pre-fuse	C 20 A
Water connection (inlet)	1/2"
Water connection (outlet)	6/4"
Air connection	NW 7.2 quick-connect plug
Ambient temperature	5 - 35°C
Operating noise level	<70 dB
Fluid temperature	up to 50°C
Drying temperature	up to 120°C
Pressure hose diameter	6/4"
Pump capacity	up to 250 l/min
Liquid filtration	4-stage, 5–300 microns
Air flow	up to 390 m³/h
Overpressure	up to 370 mbar
Safety features	temperature sensor, pressure sensors, door open sensor, emergency safety switch, liquid flow sensor.

14.2 Front view

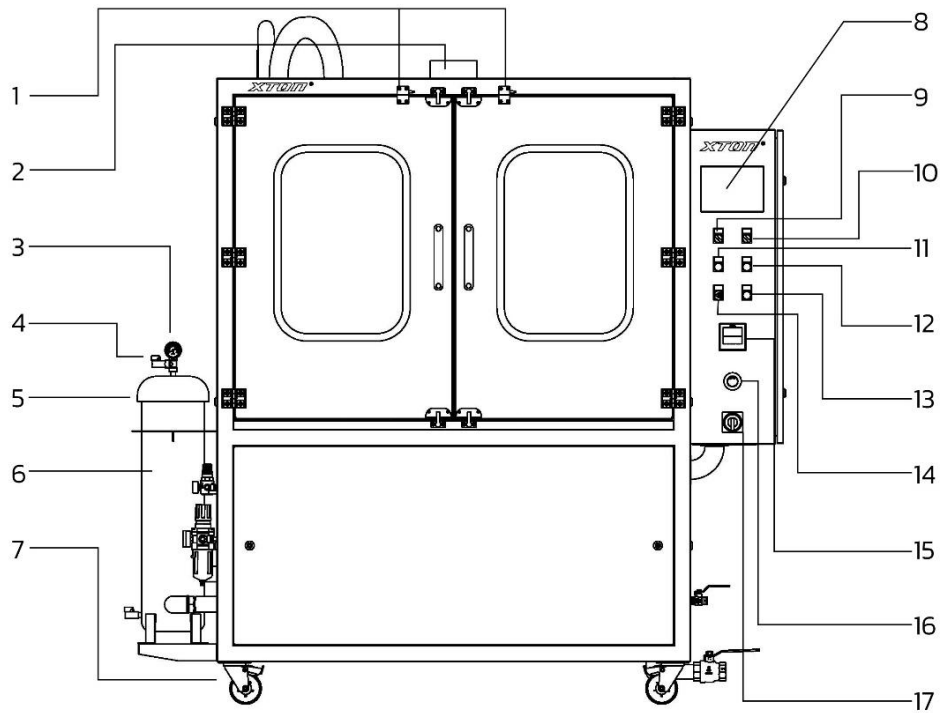


Figure 2 General front view

- | | |
|--|--------------------------------------|
| 1. Door open sensors | 10. CLEAN / DRY switch |
| 2. Ventilation duct | 11. START button |
| 3. Liquid operating pressure gauge | 12. STOP button |
| 4. Vent valve | 13. RESET button |
| 5. Filter housing cover | 14. Visual and audible alarm (ALARM) |
| 6. Filter housing (5 x 20" slim filter cartridges) | 15. Thermal printer |
| 7. Swivel castors | 16. Emergency safety switch |
| 8. Touchscreen | 17. Main switch |
| 9. AUTO / SERVICE switch | |

14.3 Left side view

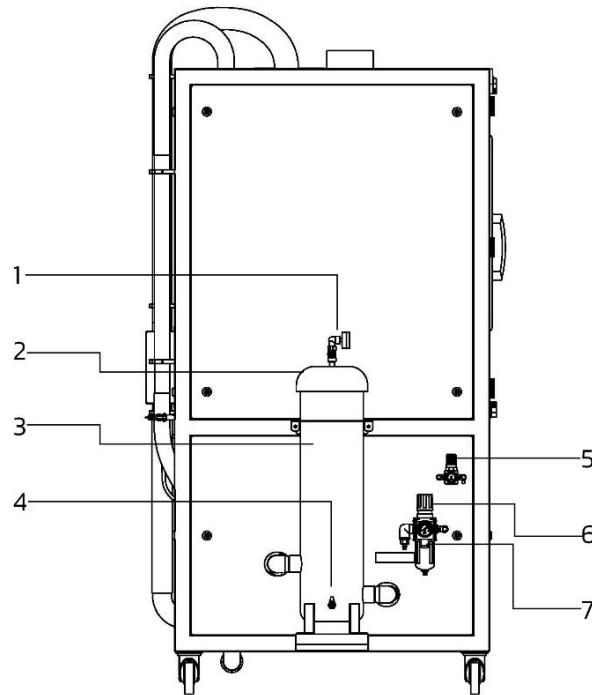


Figure 3 Left side view

1. Fluid operating pressure gauge
2. Filter housing cover
3. Filter housing (5 x 20" slim filter cartridges)
4. Drain valve for the filtration system
5. Shock pressure reducer
6. Pressure reducer with desiccant
7. Compressed air connection (Eurostandard plug DN 7.2 mm)

14.4 Right-side view

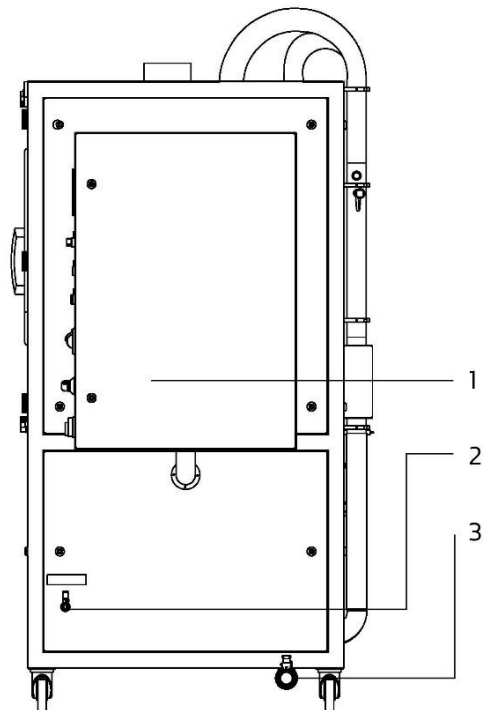


Figure 4 Right-hand side view

1. Control cabinet
2. Water connection (ball valve GW 1/2")
3. Water drain (ball valve GW 6/4")

14.5 Rear view

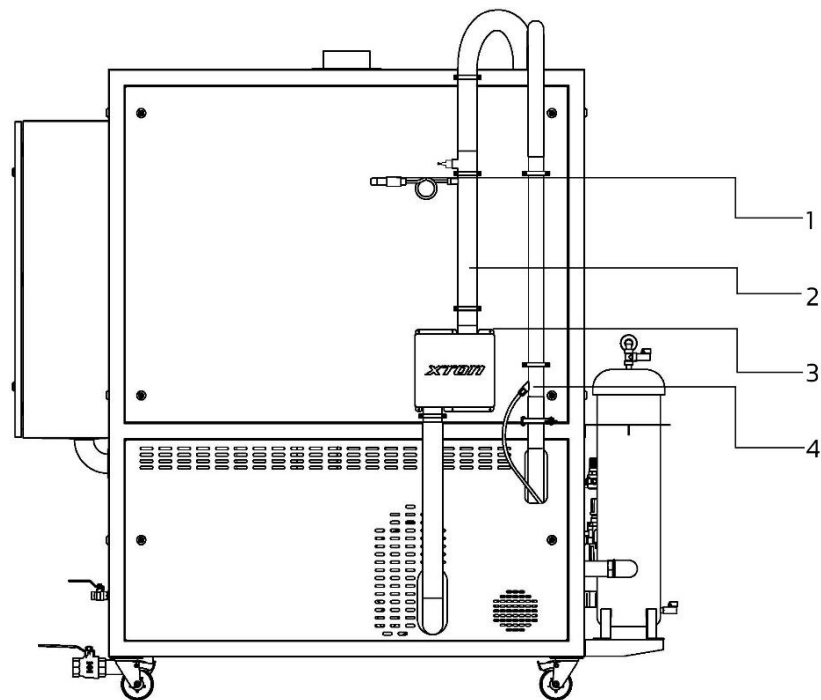


Figure 5 Rear view of the machine

1. Air pressure sensor
2. Drying system and measuring system
3. Air heater with cover
4. DPF filter cleaning system

14.6 Control panels



Main screen after start-up.

14.6.1 Pollution measurement screen



1. Pollution measurement screen button

2. Message field

This field displays information messages regarding the device status (depending on the configuration process settings). Monitoring the message field, reading the messages and the operator's appropriate response to them help to ensure the regeneration process is carried out correctly.

3. Vehicle make

Enter the vehicle make in this field. The entry will appear on the report printout.

4. Vehicle model

Enter the vehicle model in this field. This entry will appear on the printed report.

5. Number

In this field, enter the order number or the serial number of the filter being cleaned. This entry will appear on the printed report.

6. New cycle

Button to add a new regeneration cycle.

Pressing and holding the button for 1 second will clear the results of the previous regeneration and add a new regeneration cycle.



IMPORTANT

To manage the report history correctly, each filter undergoing regeneration must have its own unique cycle. Before starting each filter regeneration process, you must initiate a new cycle and update the data in fields 3, 4 and 5.

7. Initial measurement

The button initiates the measurement procedure for a contaminated filter. Upon pressing, the side-channel turbine will run for 5 seconds, during which time the measurement system will read the average pressure value.



IMPORTANT

The initial measurement must always be performed before adding the cleaning agent and before starting the cleaning and drying process of the particulate filter.

8. Print button

Pressing the button will print the initial measurement value. The printout contains details of the service centre where the regeneration was carried out, vehicle details, the DPF number, the initial measurement value of the contaminated filter, and the system number.



IMPORTANT

The print button is available when the “Access to printout in initial measurement” is enabled.

9. Initial measurement result

The initial measurement value is displayed at the bottom of the pressure gauge – the choice of units (mbar/kPa) is available in the user settings.



IMPORTANT

After adding a new cycle, the value “-----” is displayed in the initial measurement result field. This indicates that the memory cell for previous measurements has been cleared and the device is ready to start the regeneration procedure for the next filter.

10. Calibration

Pressing the button will open the measurement system calibration window – please follow the instructions displayed in the calibration window.

11. Actuator control

Pressing the actuator control button will open the actuator control window (used in the EURO 6 adapter and the QUICK X system).



**NOTE**

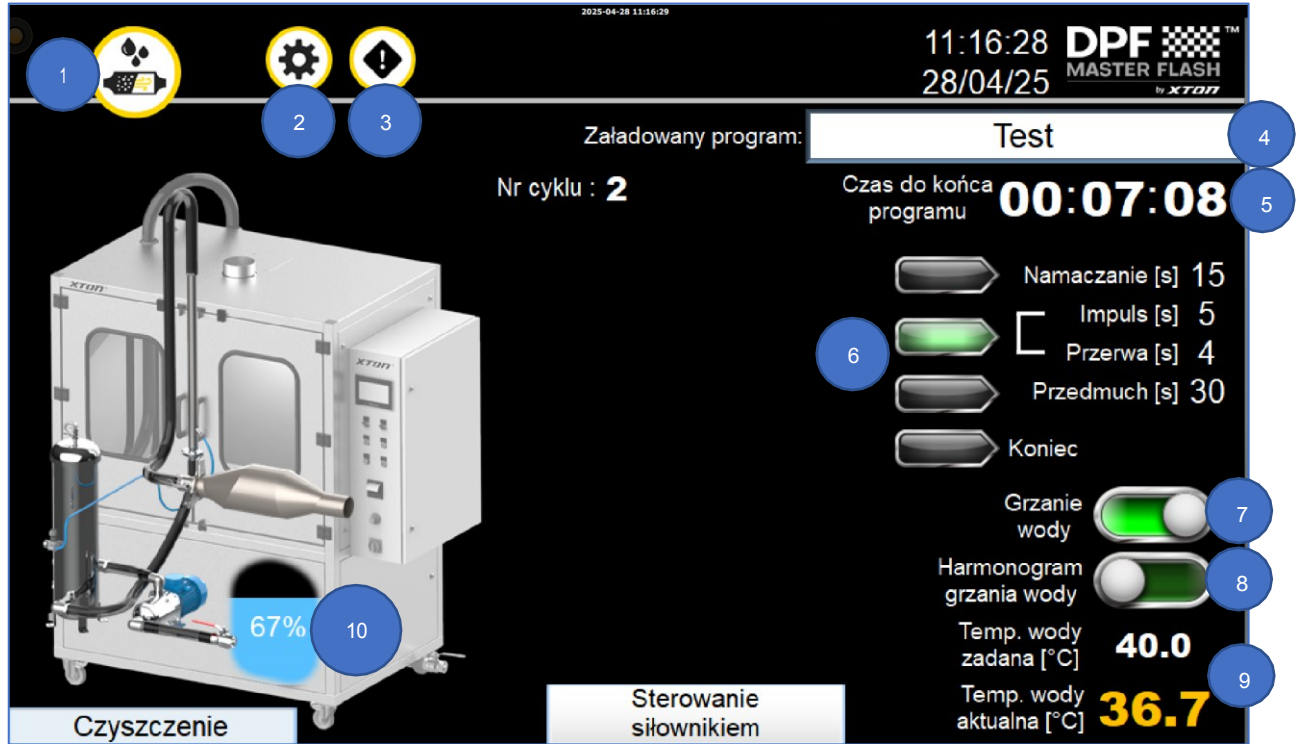
Before working with adapters equipped with an actuator, check that the OPEN button acts as an unlocking function and the CLOSE button as a locking function for the adapter. If not, swap the pneumatic hoses at the actuator or at the bulkhead connections on the machine.



Pressing and holding the CLOSE button for 5 seconds activates the lock function for this button. The visible padlock icon next to the CLOSE button indicates that the lock is active.

This function is particularly useful and recommended in cases where leaks occur during actuator operation due to natural wear and tear. It prevents the pressure plate from lifting in the EURO 6 adapter and the QUICK X system from disconnecting from the particulate filter during the regeneration process.

14.6.2 Cleaning screen



1. Clear screen button
2. SETTINGS button
Takes the user to the device's main settings window.



IMPORTANT

The full range of settings is available when the key switch is in the SERVICE position (*Fig. 2, No. 9*)

3. ALARMS button
Pressing this button will display a list of all device alarms. If an alarm occurs, a message and a Clear Alarms button will appear on the top bar of the screen.
While the alarm is active, the audible and visual indicator will emit a sound and flash a bright red light.



IMPORTANT

Pressing the Clear Alarms button will clear all alarms without the need to display the full list of alarms.

1/2 A000 Otwarte drzwi

Kasuj
alarmy

4. Cleaning programme selection field

Clicking the 'Loaded programme' field opens a drop-down list of user-programmed programmes. Select the programme appropriate for the type of DPF being cleaned from the list of available programmes.

5. Programme duration timer

Indicates the time remaining until the end of the programme.

6. Progress indicators

These indicate the current stage of the automatic programme.

7. Water heating

Before starting the automatic mode, move the slider to the right – this will activate liquid heating. The controller automatically maintains the temperature at the set level for the selected programme. The optimum liquid temperature is 40 degrees. To switch off liquid heating, move the slider to the left.



IMPORTANT

Slider control is dependent on the water heating schedule.

8. Water heating schedule

When the slider is moved to the right, the liquid is heated according to the schedule. The heating schedule is available in the user settings menu (access enabled when the key switch is set to the SERVICE position).

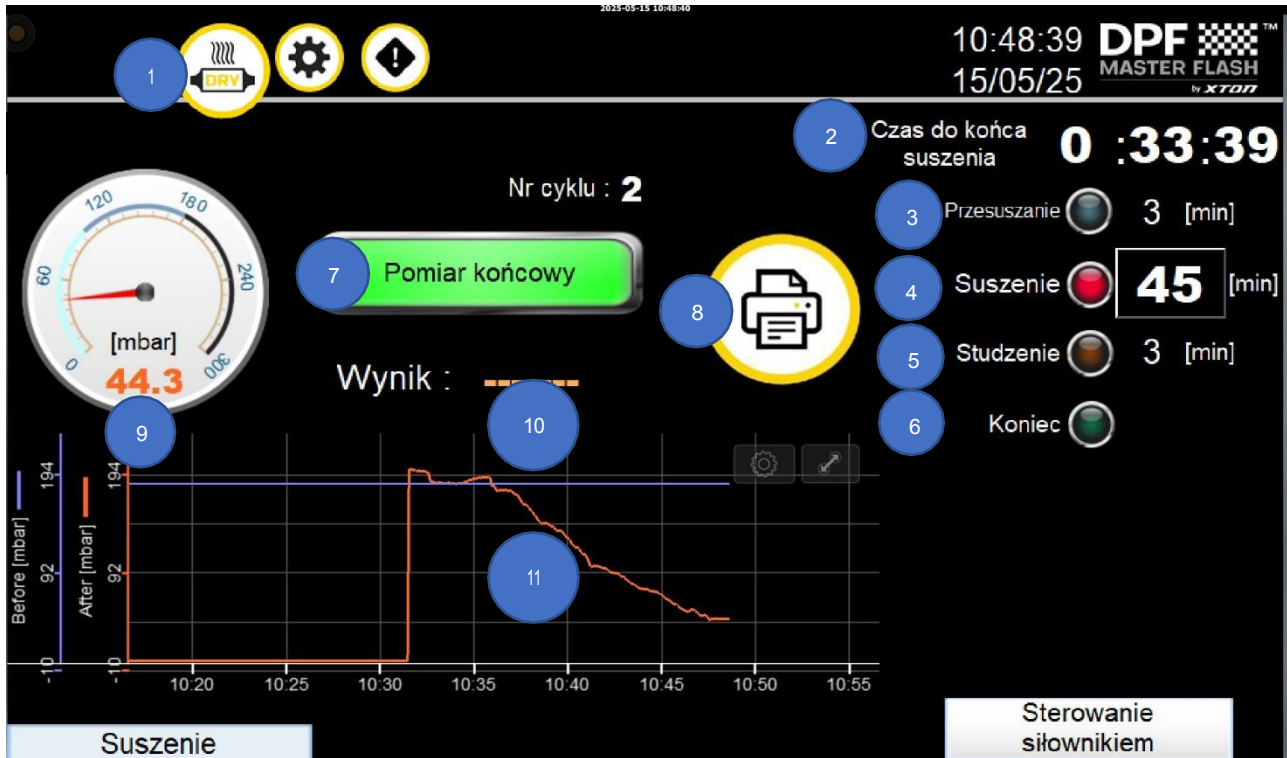
9. Temperature indicator

Displays the set and current liquid temperature.

10. Liquid level indicator

Displays the current liquid level in the tank.

14.6.3 Drying screen



1. Dry screen button
Pressing the button loads the drying screen.
2. Time remaining
This field shows how much time is left until the end of the drying process.
3. Pre-drying
This is a preliminary drying process involving the activation of the side-channel air turbine alone to remove excess water from the DPF filter. This parameter is factory-set.
4. Drying
This field allows the operator to enter the standard drying time. During this stage of the process, in addition to the side-channel turbine, the air heater is activated in order to maintain the highest possible drying temperature.

**WARNING**

Do not interrupt the DPF filter drying process whilst it is in progress, as this may damage the blower or heater. If it is necessary to interrupt the process, press the STOP button and follow the messages displayed on the screen.



During the main drying process, ensure that the air supply hose to the particulate filter being dried is not kinked. An excessively small bending radius ($< 3 \times D$ of the hose) causes permanent structural damage to the hose, leading to premature wear.

**CAUTION**

During the main drying process, the air temperature may reach around 130 °C; therefore, particular care must be taken.

5. Cooling

This is the time required for the heater and side-channel turbine to cool down to prevent damage. During this time, the structure of the particulate filter monolith also cools down, allowing the initial measurement conditions to be restored. This parameter is factory-set.

6. End

The indicator light signals the completion of each stage of the drying process. The device will stop operating whilst simultaneously triggering an alarm via the visual and audible signal located on the control panel (*Fig. 2*, item 14).

**IMPORTANT**

To switch off the call alarm (flashing optical-acoustic signal) once the drying process is complete, briefly press the STOP button.

7. Final measurement

This button initiates the final measurement procedure. When pressed, the side-channel turbine will run for 5 seconds, during which time the measurement system will read the average pressure value



IMPORTANT

The final measurement must always be performed after the complete cleaning and drying process of the particulate filter has been carried out. The final measurement result saves the parameters of the entire process to memory.

8. Print button

The button appears after the final measurement procedure has been completed (it is greyed out beforehand).

Pressing the button will print the regeneration report. The full regeneration report should include:

- details of the service centre where the regeneration was carried out,
- vehicle details,
- DPF number
- the initial measurement value of the contaminated filter,
- the final measurement value after the drying process,
- pressure difference
- system number



IMPORTANT

Printing the report saves the measurement values recorded during the cycle. First to the device's internal memory and then to the USB mass storage device located in the control cabinet.

9. Field showing the current pressure value during drying
The pressure value during the drying process is displayed in real time.
10. Result
Field displaying the final measurement value.



IMPORTANT

If no final measurement has been taken in a given regeneration cycle, the value '-----' is displayed. This indicates that the system is ready to start the final measurement procedure.

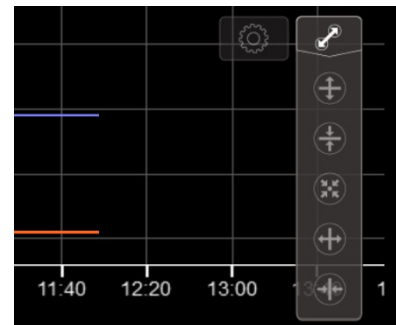
11. Drying process graph
The pressure values during the drying process are displayed graphically on the timeline.



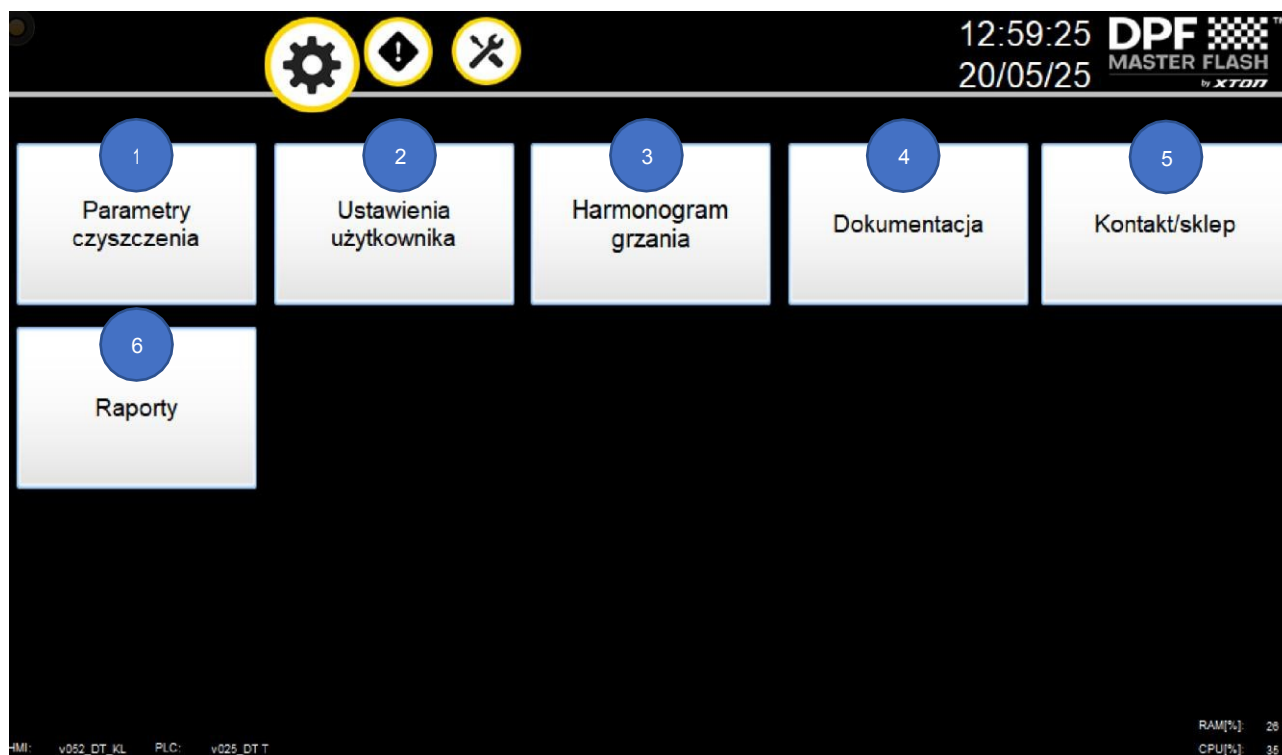
IMPORTANT

For ease of viewing, the graph can be zoomed and scrolled using the available tools.

To expand the list of tools, click on the top right-hand corner of the graph.

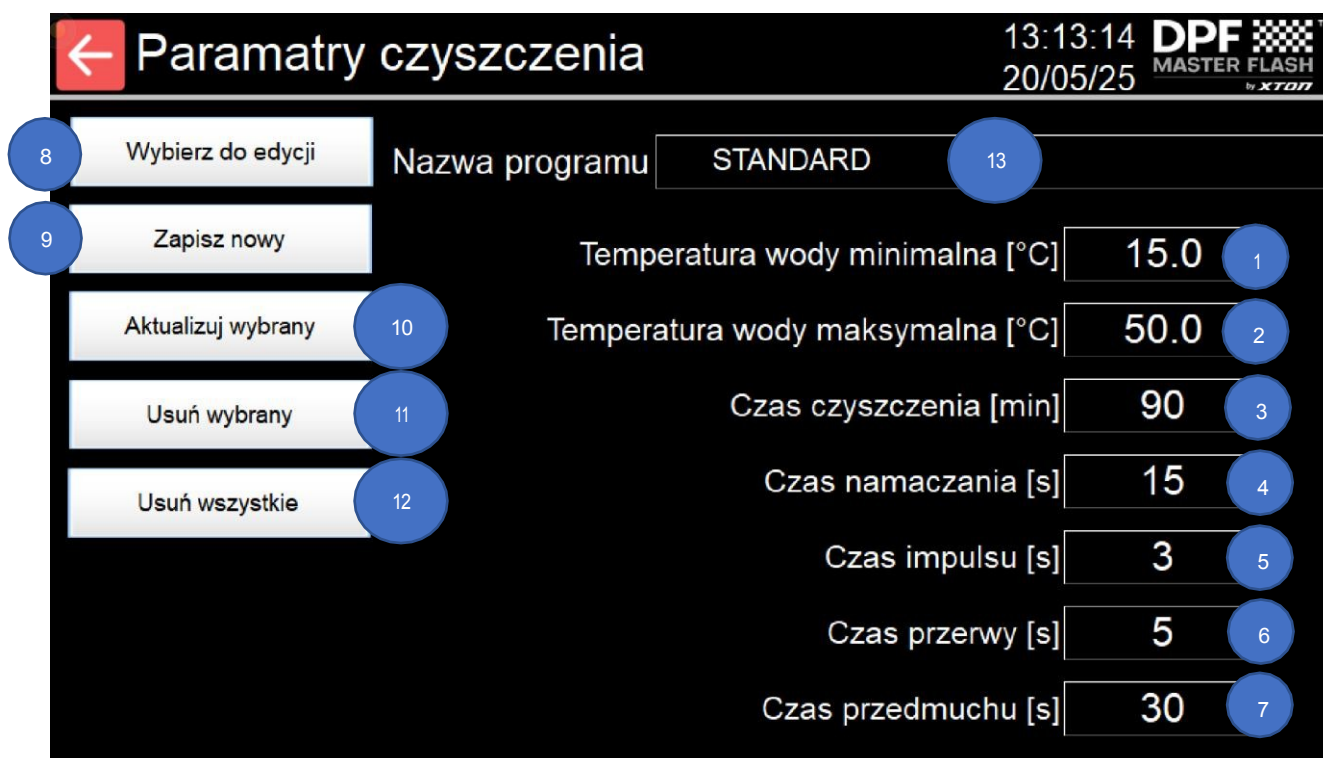


14.6.4 Settings screen



Further details on the points outlined above are provided below.

14.6.4.1 Cleaning parameters



1. Minimum water temperature

The minimum liquid temperature above which the cleaning process can be initiated. The minimum recommended temperature at which the regeneration process can be started is 20°C. (At this temperature, the cleaning process will not be effective.)

2. Maximum water temperature

Maximum water temperature. The recommended temperature for the regeneration process is 40 °C.



IMPORTANT

In the event of heavy soiling of the DPF filter, e.g. following a turbocharger failure, it is recommended to carry out the regeneration process at a temperature of approx. 50 °C or higher.



WARNING

Excessively high water temperature may damage the filter. There is a risk of burns to the operator.

3. Cleaning time

Specifies the duration of the main cleaning process, during which compressed air is injected into the liquid stream at regular intervals (based on parameters 5 and 6).

4. Soaking time

This is the time during which the DPF filter is filled with liquid and detergent before the main cleaning process begins.

5. Pulse duration

This is the duration of the compressed air pulse injected into the DPF during the main cleaning process.

6. Pause time

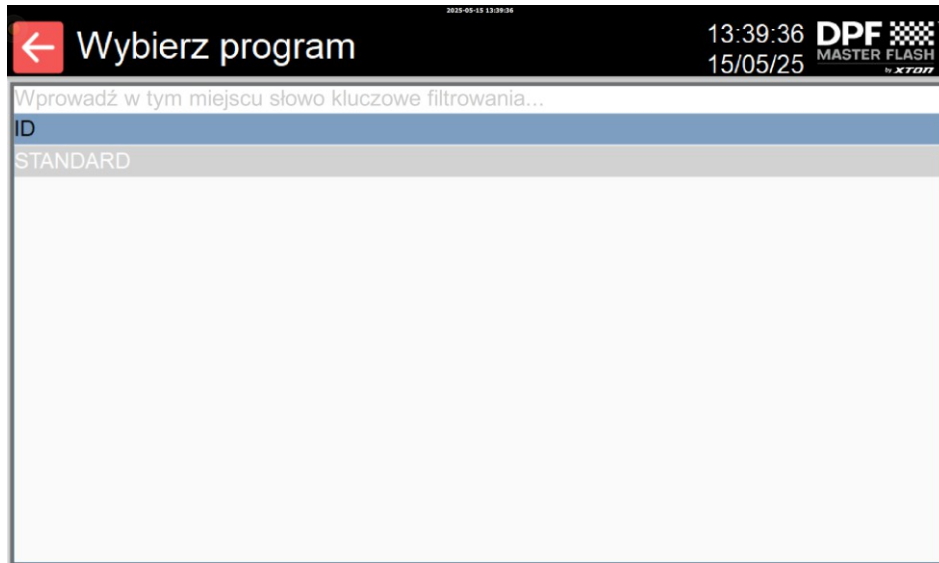
This is the interval between pulses of compressed air.

7. Blow-through time

Once the regeneration process is complete, compressed air is injected into the DPF to remove some of the water from it.

8. Select to edit

Clicking the button will display a list of saved programmes that can be edited. After selecting a programme, return to the previous screen to edit the parameters.



9. Save new
Pressing this button saves the new programme to the database storing programme parameters and names
10. Update selected
Pressing this button will update the changed parameters in the selected programme
11. Delete selected
Pressing and holding the button for 2 seconds deletes the selected programme from the device's memory.
12. Delete all
Pressing and holding the button for 5 seconds will delete all programmes stored in the device's memory.

14.6.4.2 User settings

← Ustawienia użytkownika →		
1	Wygaszenie ekranu i wyłączenie lampy po	25 [min]
2	Zasilanie odciągu	☒
3	Wydruk testowy	Print test
4	Jednostka ciśnienia	[mbar] ☒ [kPa]
5	Automatycznie grzanie cieczy po uruchomieniu	☒
6	Druga grzałka wody	☒
7	Okno po przełączeniu kluczyka	Menu glowne ...
8	Domyślne okno w trybie czyszczenia	Pomiar
9	Syrena aktywna podczas alarmu	☒
10	Dostęp wydruku w pomiarze początkowm	☒

1. Screen timeout and lamp shutdown after

Field for entering the time after which the screen will automatically go blank and the lamp in the chamber will switch off. This function is particularly useful when using the liquid heating schedule, when the device is constantly connected to the power supply.

2. Exhaust fan power

Moving the slider to the right activates the automatic power supply to the exhaust fan whilst the device is in operation. The power terminals are located on the top of the device next to the ventilation opening.



DANGER

When the Exhaust Power function is active, a voltage of 230V AC is present at the power terminals, which is dangerous to human life and health. Do not connect the fan whilst the device is in operation.

Do not touch the extraction power terminals whilst the unit is in operation.

If no exhaust fan is connected to the power supply terminals, it is recommended that the Exhaust Power function remains switched off.

The maximum load on the contacts of the extractor fan control relay is 6A.

The exhaust fan is not included as standard equipment with the unit.

3. Test print

Pressing this button starts a test print.

4. Pressure unit

By moving the slider, the user can choose the unit in which the measurements are to be displayed.

5. Automatic liquid heating on start-up

Moving the slider to the right activates the function that automatically switches on liquid heating each time the device is started (when the main switch is moved from position 0 to position 1).

6. Second heater

This function helps to limit the effects of overloading the internal electrical circuit to which the device is connected. The left-hand position of the slider means the liquid is heated at reduced power (the liquid is heated using a single heater).

Moving the slider to the right activates liquid heating at full power. Both heating elements are used to heat the liquid.



IMPORTANT

This function is not available on devices with a single liquid heater.

7. Window after turning the key

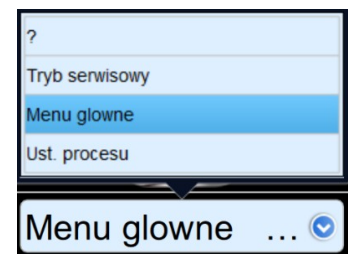
The drop-down context menu allows the user to select an action after turning the key (Fig. 2, item 9) to the SERVICE position.



IMPORTANT

The user can select automatic loading:

- the Service Mode window
- Main menu window
- Process settings window



8. Default window in cleaning mode

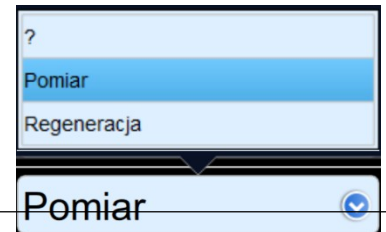
The drop-down context menu allows the user to select the default screen to load when the operating mode selector is set to CLEANING (Fig. 2, item 10).



IMPORTANT

The user can select automatic loading of:

- the Contamination Measurement screen
- the Regeneration screen



9. Siren active during an alarm

Use this slider to enable or disable the ALARM visual and audible alarm (Fig. 2, item 14) during a system alarm.



IMPORTANT

Deactivating this function does not disable the call alarm after the automatic operation process has ended, nor does it disable the alarm messages displayed on the screen in text form.

10. Access to printouts during the initial measurement

Sliding the slider to the right enables access to the printout after the initial measurement procedure has been completed.



NOTE

The printout is not a full regeneration report – it contains information on the pollution level of the measured DPF filter at the initial stage of the regeneration process (before cleaning begins).

←

Ustawienia użytkownika

→

11	Automatyczne dolewanie wody	☒		
12	Dokumentacja	PDF		
13	Nazwa firmy			
14	Adres 1			
15	Adres 2			
16	Proces poza maszyną	☒		
17	Data	16	5	2025
18	Godzina	12	24	
19				
20				

11. Automatic water top-up

Enabling this function allows the water in the tank to be automatically topped up based on the reading from the liquid level sensor.



NOTE

This function is only available on devices equipped with an automatic water refill system.

12. Documentation

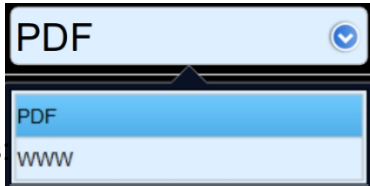
The drop-down context menu allows you to select an action after pressing the Documentation button (section 14.6.4.4)



IMPORTANT

The user can choose to automatically load the following windows

- PDF – used for reading and viewing PDF files and videos stored on a USB mass storage device
- www – web browser window



13. Company Name

Field for entering the name of the company/service centre that reconditions DPF filters.

14. Address 1

Field for entering the address of the company/service centre.

15. Address 2

Additional field for the company/service centre address.

16. Off-machine process

Activating this function allows the regeneration process to be carried out with the door open. After restarting



WARNING

Moving the slider to the right deactivates the safety functions! If necessary, the function must be activated deliberately and at the operator's own risk.

The function is automatically deactivated in the event of a power failure.

17. Date

In these fields, we set the date.

18. Time

In these fields, you set the time

**IMPORTANT**

Fields 13, 14, 15, 17 and 18 will be visible on the initial printout and the summary report.

19. Display language

Change the display language on the device by selecting a flag

20. Display language

Change the display language on the device by selecting a flag

**IMPORTANT**

Changing the display language on the device does not change the language in the remote management application. To change the display language in the application, go to user settings and make the change from within the application (the key switch must be in the SERVICE position (*Fig. 2*, item 10))

14.6.4.3 Water heating schedule

Harmonogram grzania wody

14:31:07 1/25

Dzień tygodnia	Godzina włączenia	Godzina wyłączenia	Reguła aktywna	Sygnalizacja
Poniedziałek	06:00	14:00	☒	☒
Wtorek	00:00	00:00	☐	☐
Środa	00:00	00:00	☐	☐
Czwartek	00:00	00:00	☐	☐
Piątek	00:00	00:00	☐	☐
Sobota	00:00	00:00	☐	☐
Niedziela	00:00	00:00	☐	☐

1. Start time

In the Start time fields, enter the time at which the liquid heating is to begin.

2. Switch-off time

The Switch-off time fields determine the time at which the liquid heating will be switched off.

3. Rule active

The Active rule column is used to quickly enable or disable the schedule by ticking the box.

4. Indicator

The lights in the Indication column indicate when heating is active based on the scheduled timetable.



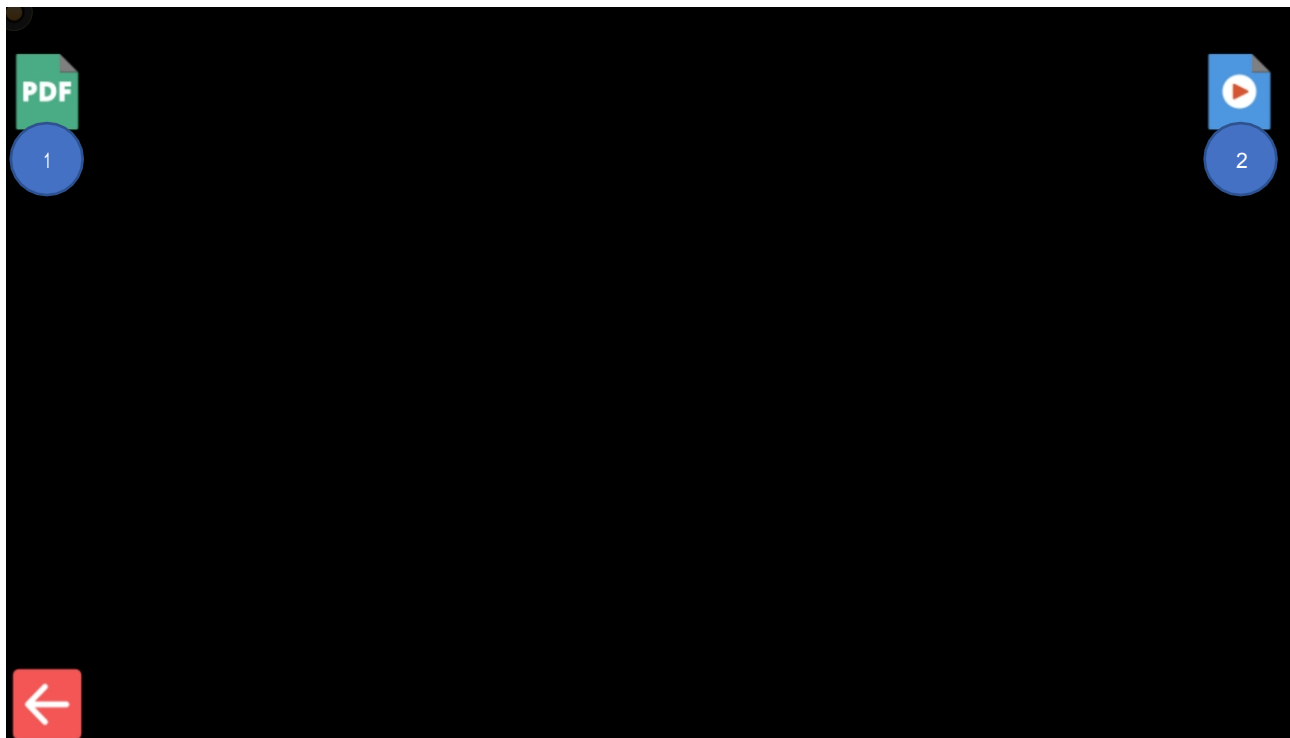
IMPORTANT

The Indicator light will illuminate when:

- the current system time falls within the time range defined by the switch-on and switch-off times (items 1 and 2)
- the Active rule field (item 3) is ticked
- the Water Heating Schedule slider on the Contamination Measurement or Cleaning screens is in the on position

14.6.4.4

Documentation



1. PDF button

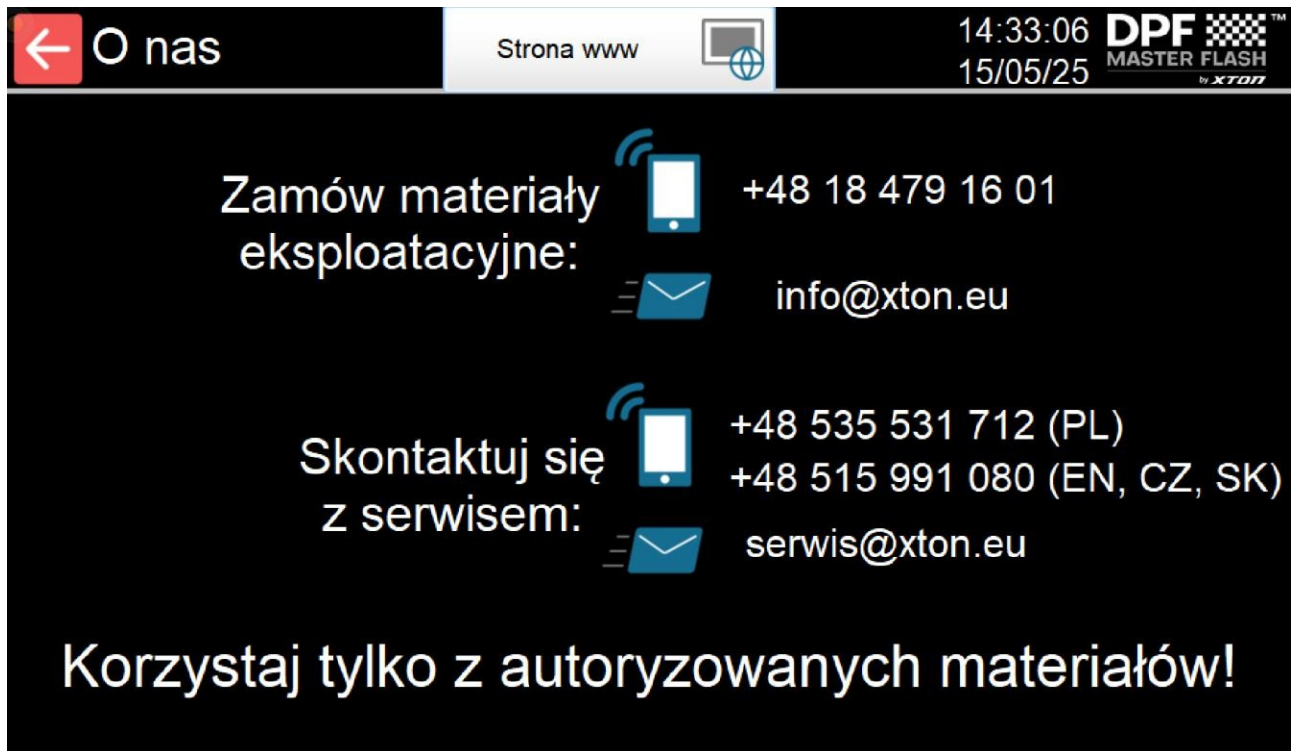
This button launches a preview of available PDF files stored on the USB storage device.

2. Player button

This button launches the media player, which automatically loads and plays video files stored on the connected USB storage device.

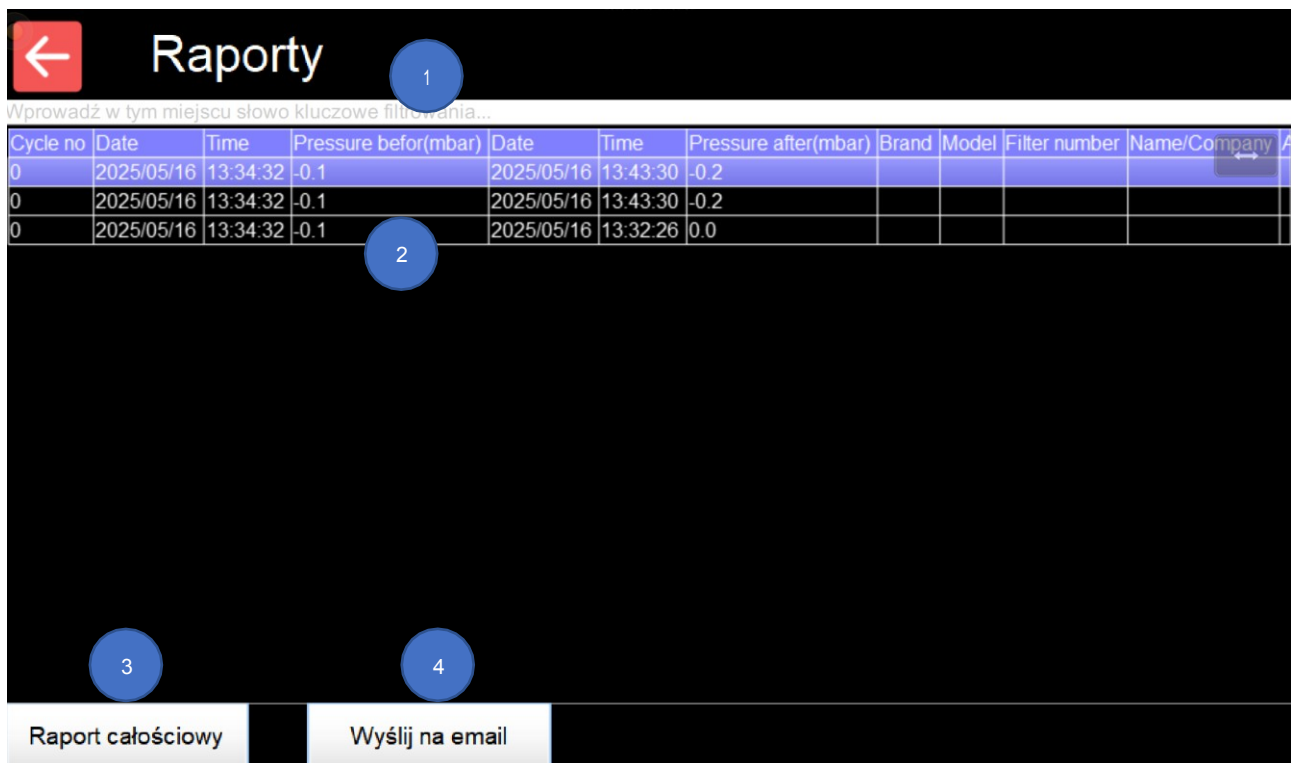
14.6.4.5 About Us

The About Us screen contains the manufacturer's contact details and the information required to order consumables.



14.6.4.6

Reports



1. Report list filter field

When you enter a word in the search field, the list of available reports is filtered. In this case, only records containing the entered phrase are displayed in the list.

2. Report list

If the filter field (item 1) is empty, the window displays the entire report history stored on the device and on the USB storage device.

3. Summary report

Pressing the button generates a full list of reports and saves them to the USB storage device.

4. Send by email

Pressing the button allows you to send the list of reports as a CSV file to a previously configured email address.



IMPORTANT

The email sending function is only available on devices for which the add-on package was purchased at the time of ordering.

14.6.5 Alarms screen



Wystąpił	Wystąpił	Ustał	Potwierdzenie	Wiadomość
2025/04/28	11:02:21	11:02:32		K002 Otwarte drzwi!
2025/04/28	09:50:50	09:50:50		K002 Otwarte drzwi!
2025/04/28	09:50:50	09:50:53		A000 Otwarte drzwi
2025/04/28	09:49:41	09:49:48		K002 Otwarte drzwi!
2025/04/28	09:48:55	09:48:57		K002 Otwarte drzwi!
2025/04/28	09:48:55	09:49:02		A001 Obwód bezpieczeństwa przerwany
2025/04/25	10:08:28	10:08:34		A001 Obwód bezpieczeństwa przerwany
2025/04/25	09:45:30	09:45:37		K000 Brak pomiaru początkowego!
2025/04/25	09:37:15	09:41:57		A006 Parametry cyklu są nieprawidłowe
2025/04/25	09:36:08	09:36:19		K000 Brak pomiaru początkowego!
2025/04/25	09:33:35	09:33:38		A001 Obwód bezpieczeństwa przerwany
2025/04/25	09:33:27	09:33:34		A001 Obwód bezpieczeństwa przerwany

1. Alarms button

Pressing this button displays a screen listing all alarms that have occurred on the device.

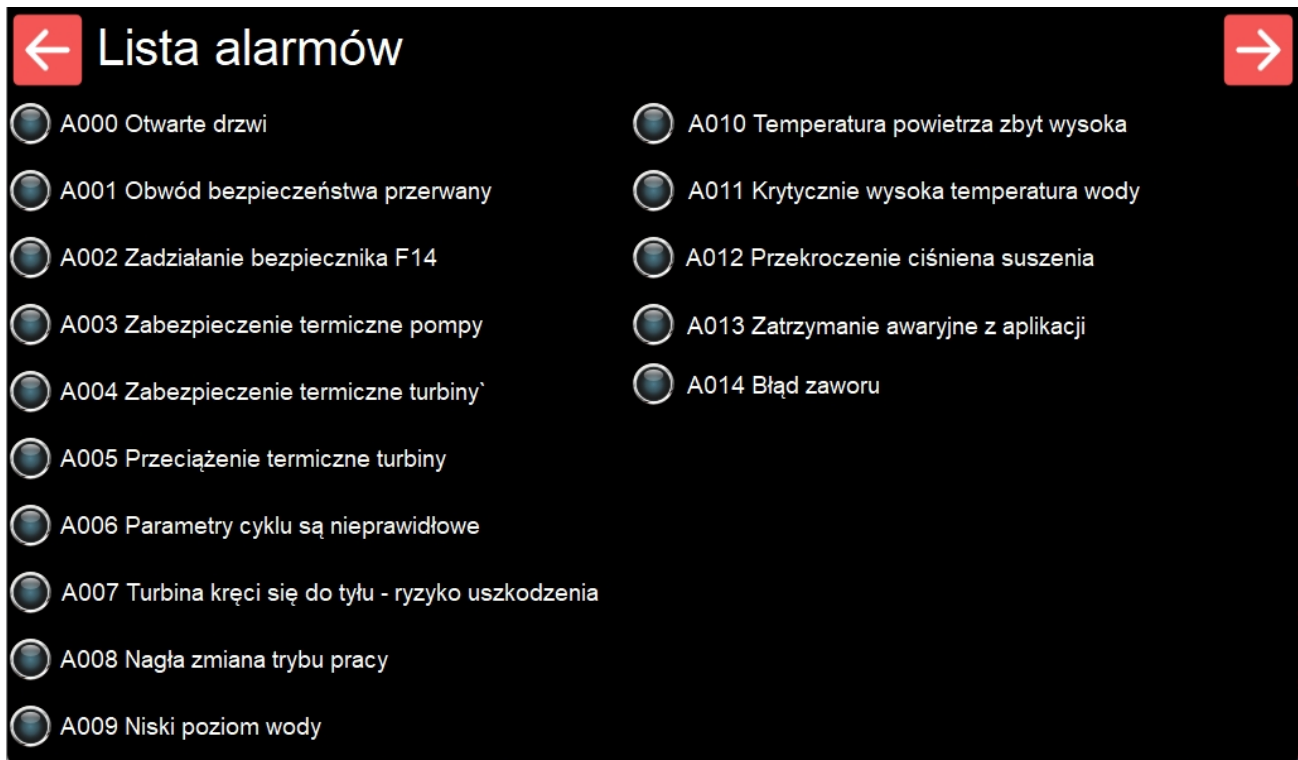
2. Clear Alarms

This button clears active alarms that have ceased but have not yet been cleared.

The button complements the alarm clearing function described in more detail in the description of the clear screen (14.6.2, item 3).

3. Alarm List

Pressing the button loads a window displaying a list and description of all alarms in the device. A lit indicator next to the description indicates that the alarm is active.



A000 Door open

This alarm occurs if the appliance door is open in “AUTO” mode. Close the door and clear the alarm.

A001 Safety circuit interrupted

This alarm occurs after the device is started or whilst the emergency safety switch (*Fig. 2, item 16*) is pressed. To clear it, you must:

- check the position of the emergency safety switch – if it is pressed, turn it to the left
- press the RESET button
- clear the alarm on the touch panel



IMPORTANT

If it is not possible to clear the alarm, contact the manufacturer's service department.

A002 Fuse F14 tripped

This alarm occurs if fuse F14 is damaged. Contact the service department.

A003 Pump thermal protection

This alarm occurs when the water pump is overloaded. Possible causes:

- a) Service setting of the motor circuit breaker in the electrical cabinet
Check the setting of the PKZM0-6,3-EA motor circuit breaker located in the electrical cabinet. The current adjuster (yellow) should be set to "5.1". If necessary, set the value to "5.1 or higher".
- b) Blockage of the suction basket at the bottom of the tank's side wall
Clean the suction basket mechanically.
- c) Hose pinched between the tank and the water pump
Replace the suction hose with a new one.
- d) Heavily soiled filter cartridges in the filter housing
Replace the cartridges with new ones and thoroughly clean the inside of the filter housing.
- e) Hose pinched or damaged between the filter housing and the wash chamber
Replace with a new one.
- f) Blocked water outlet at the end of the hose in the wash chamber
Clear the blockage.
- g) Damaged DPF filter – no water flow.
Connect the filter to the other side; if the problem persists, disconnect the DPF filter and check whether the flow is unobstructed without the filter.



NOTE

To clear the alarm, open the electrical cabinet, locate the PKZM0-6,3-EA motor switch and set the switch lever to position "1", then press "CLEAR ALARM" on the monitor screen

A004 Turbine thermal protection

This alarm occurs when the air blower is overloaded. Possible causes:

- a) Service setting of the motor circuit breaker in the electrical cabinet
Check the setting of the PKZM0-10-EA motor circuit breaker located in the electrical cabinet. The current adjuster (yellow) should be set to "8". If necessary, set the value to "8" or higher.
- b) Blocked air inlet of the side-channel turbine.
Remove the rear access panel and check that the suction basket, located on the inlet connection at the rear of the turbine, is clear.
Clean if necessary.

- c) Blocked air outlet at the end of the hose in the wash chamber. Remove the plug.
- d) Damaged hose between the turbine and the heater fittings at the rear of the unit.
Replace with a new one.
- e) Damaged hose between the pipe and the washing chamber. Replace with a new one.
- f) Damaged DPF filter, no air flow during pollution level measurement
Try connecting the DPF filter from the other side.
- g) DPF filter heavily clogged with water after the cleaning process.
Loosen the connection between the hose and the DPF filter so that some of the air bypasses the DPF. You can use the convenient AD7 adapter (available as an optional accessory), which automatically adjusts the drying pressure to avoid overloading the turbine motor.

A005 Turbine thermal overload

This alarm occurs if the turbine motor has overheated. The alarm can be reset once the motor winding temperature has dropped.



NOTE

The alarm may occur during continuous operation of the turbine under heavy load. Avoid situations where the turbine is subjected to a prolonged load, i.e. the drying pressure is approx. 220 mbar.

A006 Cycle parameters are incorrect

This alarm occurs if the values of individual cycle parameters are inconsistent with one another or exceed the permissible limits.

A007 Turbine is rotating in reverse – risk of damage

This alarm occurs if, during initial start-up or after replacement, the turbine motor is rotating in the wrong direction. Check that the direction of rotation is correct; if necessary, change the phase sequence at the motor terminals. During normal operation, this alarm occur.

A008 Sudden change in operating mode

This alarm occurs if, during the process, the mode is switched from “AUTO” to “SERVICE” or “CLEANING”/“DRYING” mode. Clear the alarm and continue operating the appliance.



NOTE

Do not change the position of the AUTO/SERVICE and CLEANING/DRYING selectors whilst the process is in progress. Switching should be carried out after the current process.

A009 Low liquid level

This alarm occurs if the water level in the tank falls below the minimum. In this case, add approximately 50 litres of water and reset the alarm. If the automatic top-up function is enabled, the water in the tank will be automatically replenished.

A010 Air temperature too high

This alarm occurs if the air temperature exceeds the permissible value. Clear the alarm, disconnect the DPF and start the turbine in manual mode as soon as possible (for approx. 3 minutes) to cool the heater.

A011 Critically high water temperature

This alarm occurs when the fluid temperature has exceeded the permissible value – the pump and other components of the unit cannot operate.

A012 Drying pressure exceeded

The connection between the hose and the DPF filter must be vented so that some of the air bypasses the DPF filter. You can use the convenient AD7 adapter (available as an optional accessory), which automatically adjusts the drying pressure so that the drying pressure exceeded alarm is not triggered.

A013 Emergency stop via the app

This alarm occurs when, during operation of the device, a user with the appropriate remote management permissions stops the process remotely using the mobile app.

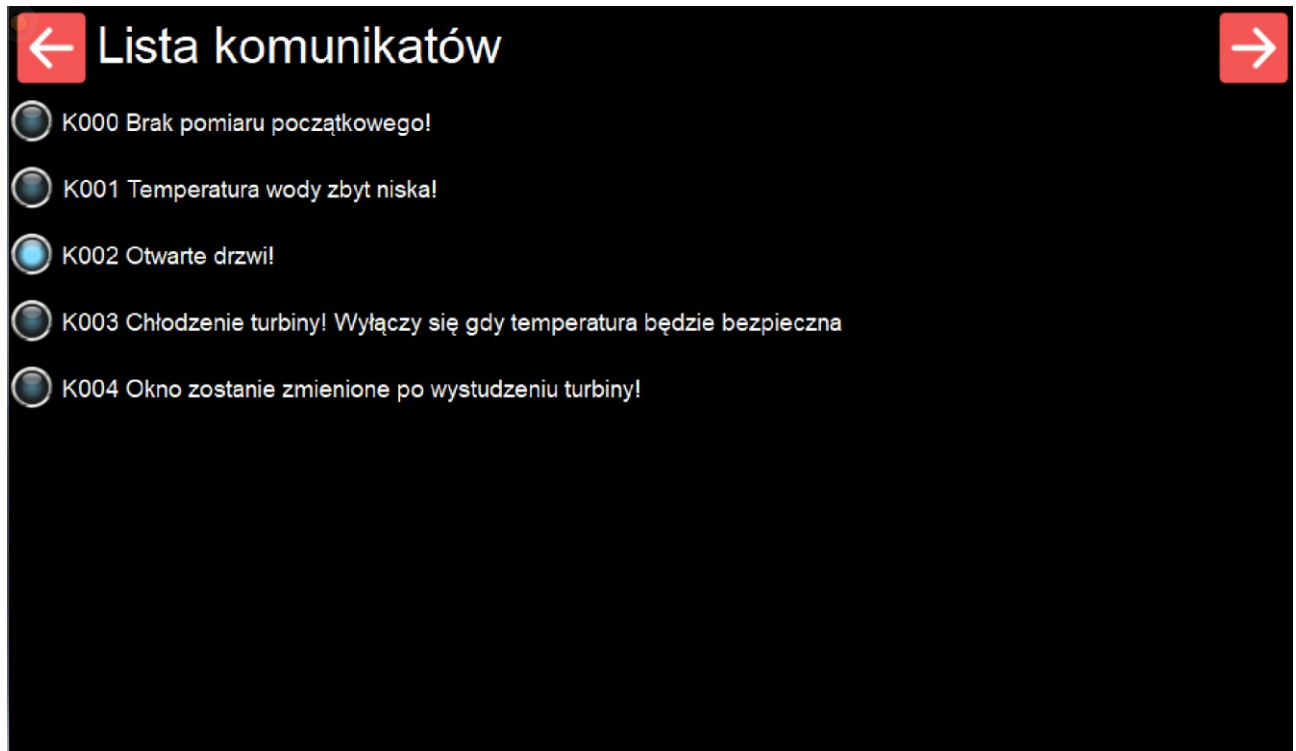
A014 Valve error

This alarm may occur during incorrect operation of the valves in the two-way version.



IMPORTANT

In the Alarm List window, an additional window containing a list of messages has also been implemented. To open it, press the navigation arrow located in the top right-hand corner of the screen.



14.6.6 Service mode screen

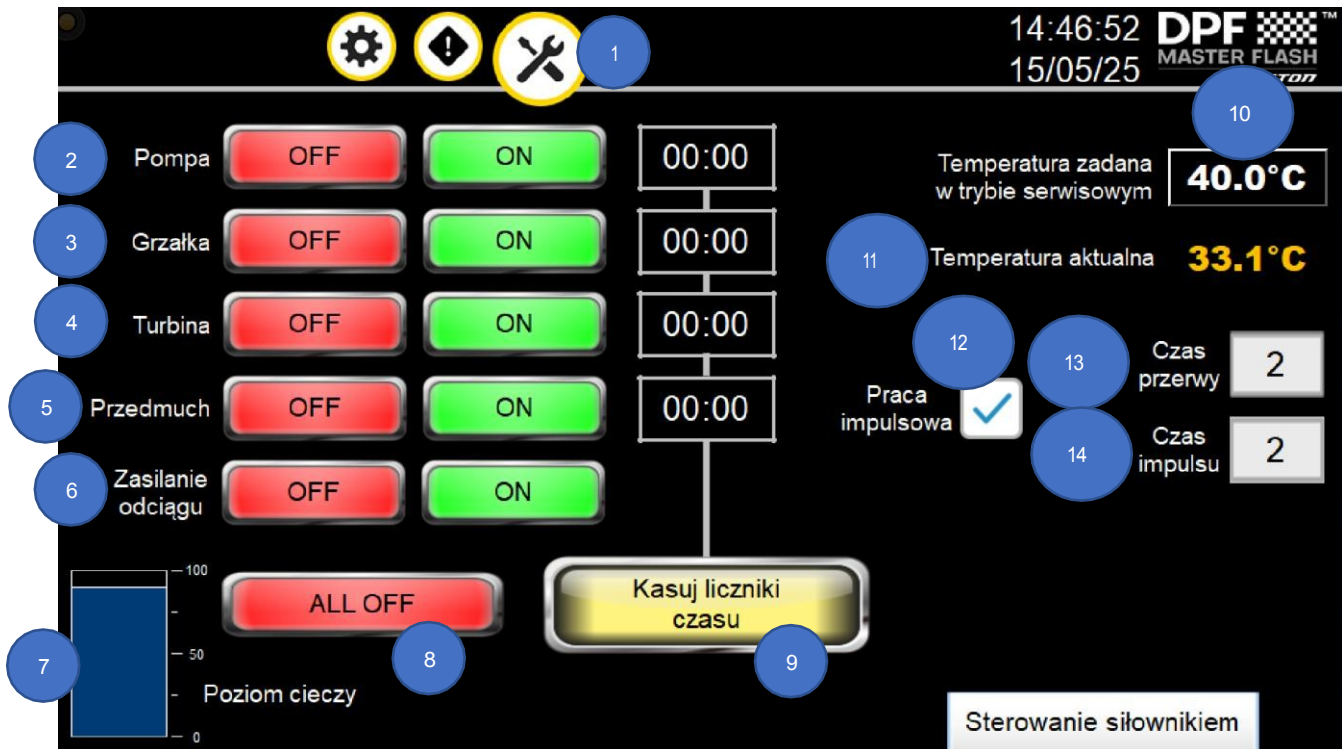


SERVICE mode allows you to work with safety functions relating to open doors disabled.

The operator should make an informed decision regarding the risks associated with working on open doors.

Take particular care when working in SERVICE mode.

The SERVICE mode screen allows the cleaning process to be carried out manually or semi-automatically. This screen is particularly useful for filters with connections whose length or shape prevents them from being placed inside the unit's chamber.



1. Service screen button

Pressing the button activates the service mode screen



IMPORTANT

The button is only visible when the key switch (*Fig. 2*, item 9) is in the SERVICE position.

2. Pump

Buttons for switching the liquid pump on and off

3. Heater

Heater on/off buttons

4. Turbine

On/off buttons for the side-channel turbine.



IMPORTANT

Switching on the turbine does not activate the air heater. The maximum temperature generated by the turbine is approx. 40–90 °C (the temperature may vary depending on the type of 22DPF filter connected).

5. Blow-through
Buttons to switch the compressed air blow-through on and off
6. Extraction power supply
Buttons to switch the vapour extraction power supply on and off. (extraction system not included with the machine)
7. Liquid level
Graphical display of the liquid level in the tank
8. ALL OFF
Button to stop all running processes in SERVICE mode.
9. Reset timers
Button to reset all operating time counters in SERVICE mode
10. Set temperature in service mode
This field allows you to set the fluid temperature for SERVICE mode



IMPORTANT

With regard to the settings on the contamination measurement and cleaning screen, the setpoint temperature in SERVICE mode is completely independent.

Water heating only works when the heater is switched on.

11. Current temperature
The liquid temperature value read from the temperature sensor.
12. Pulsed operation
Ticking this box activates the cyclic operation of the air control solenoid valve in accordance with parameters 13 and 14.
13. Pause time
Field for entering the time interval between air pulses. Value expressed in seconds.
14. Pulse duration
Field for entering the duration of the air pulse. Value expressed in seconds.

15. Machine disposal

The machine is constructed from the following materials:

- structural steel,
- stainless steel,
- electronic components,
- rubber,
- plastics,
- glass.



DANGER

Before carrying out any work related to the disposal of the machine, disconnect it from the electrical, pneumatic and water systems.



CAUTION

At every stage of dismantling and disposal, appropriate hand and power tools, as well as personal protective equipment, must be used.

Dismantling procedure:

1. Remove the air and water hoses.
2. Dispose of consumables correctly.
3. Dismantle the unit.
4. Send plastic components to a plastic recycling facility.
5. Hand metal parts over to a metal recycling facility.
6. Dispose of electrical components and power cables as special waste or electronic scrap.

16. Maintenance

IMPORTANT



The machine should be kept clean and subject to appropriate supervision and maintenance. Regular inspections and maintenance can ensure long, trouble-free operation of the machine.



Faults that are critical to safety must be rectified immediately or reported for repair. Regular maintenance of the equipment is a prerequisite for its safe and proper operation.

Before starting work, you must: Switch off the machine, disconnect it from the mains power supply, disconnect the compressed air supply, and secure the machine against accidental start-up by using the LOTO (Lockout/Tagout) system.

WARNING



Maintenance work whilst the power is connected may result in electric shock, the activation of moving parts, or serious injury.

To ensure maximum trouble-free operation of the unit, you should:

1. Whenever the filter cartridges become clogged, thoroughly wash the filter container and the entire unit chamber, including the tank, with clean water.
2. Before starting each regeneration cycle, check the condition of the filter bags, which form the primary liquid filtration system. If significant soiling is found, empty and clean the bags.
3. If liquid accumulates inside the machine's chamber, check that the pre-filtration system is unblocked. Clean if necessary. A heavily soiled pre-filtration system may cause liquid to leak from the wash chamber. The use of products containing surfactants is not recommended, as this may cause the wash liquid to foam.
4. Change the water in the tank more frequently than the filters. It is recommended to change the water three times for every filter change.
5. Clean the entire water system at least once a month as follows:
 - a) remove the filter cartridges,
 - b) thoroughly clean the filter housing, the machine's chamber and the tank with clean water,

- c) fill the tank 50% with clean water,
 - d) start the regeneration process without the DPF filter fitted, without the filter cartridges and without any cleaning agent,
 - e) the cleaning process should last 10 minutes,
 - f) drain the water from the tank,
 - g) Repeat steps 'c' to 'f'.
6. Check the condensate level in the regulator's drain at least once a week. If the level exceeds two-thirds of the drain's capacity, empty it. To do this, unscrew the drain plug at the bottom of the drain, leave it open until all the condensate has drained out, then screw it back in tightly.
7. Before each start-up of the unit, check the condition of the pump suction basket for dirt. Clean if necessary.
8. If the machine is operated in harsh conditions, maintenance may need to be carried out more frequently than recommended.

**IMPORTANT**

Consumables can be purchased on the website: xton24.pl

17. Appendices

1. Declaration of conformity.
2. Warranty card



WARRANTY CERTIFICATE

1. The manufacturer guarantees the proper functioning of the equipment for a period of 12/24/36/48 months from the date of purchase.

Proper functioning is understood to mean the absence of physical defects in the item sold. The guarantor of the device sold under the name DPF Master Flash Professional PLUS, serial numberis "XTON S.C. Piotr Łukasik, Łukasz Basiaga" with its registered office in Nowy Sącz

at ul. Żwirki 31, 33-300 Nowy Sącz, with VAT number: 734-347-82-42, and REGON number: 121453788.

3. Any defects discovered during the warranty period will be rectified by an authorised service centre designated by XTON.

As a general rule, the fault will be rectified at the User's premises, and the User is obliged to grant access to the service technicians referred to in sentence 1 above in order to carry out the necessary work. Should it be impossible to rectify the fault at the User's premises, the User is obliged to deliver the Device to the Guarantor's registered office – at the Guarantor's expense.

4. Any fault or breakdown occurring during the warranty period and covered by the warranty terms will be rectified by the Manufacturer or its authorised service centre free of charge (excluding the cases specified in point 14 of the Warranty Card) together with the costs of spare parts and labour, and shall be recorded in the Warranty Card.

5. The fault will be rectified by repairing the damaged components of the Device or replacing them with new, defect-free components or with reconditioned components approved for use by the Manufacturer. Replacement of the Device or a component with a new, defect-free one may only take place if two unsuccessful repairs of the same component of the Device have been carried out.

6. If damage to the Device is found to be the result of the User's fault, the costs of parts and repairs shall be borne by the User.

7. During the warranty period, the Manufacturer guarantees a service response time of no later than 48 hours from the time the fault is reported on working days (i.e. Monday to Friday). Saturdays, Sundays and public holidays are not included in the response time.

In such cases, the response time is suspended for the duration of these days.

8. The fault should be rectified within 21 working days from the date of the Report. The repair time may be extended for reasons beyond the guarantor's control, e.g. the time taken to source parts – of which the Manufacturer will inform the User in each instance.

9. The service request should be submitted via the request form available on the XTON S.C. website (www.xton.eu) or by email toserwis@xton.eu. The request should include information about the device model, serial number, customer details, the requester's details and a description of the problem/fault.

10. If the guarantor has replaced the defective goods with new ones or carried out significant repairs, the warranty period shall recommence from the moment the replaced or repaired product is delivered to the customer.

In the event of the replacement of a single part of the goods subject to the complaint, the warranty period shall recommence in respect of that part.

11. Warranty repairs do not cover tasks which the user is obliged to carry out themselves in accordance with the user manual, e.g. replacing filters.

12. Defects must be reported immediately upon discovery, no later than 7 days after the fault is detected, and the equipment must be taken out of service, failing which the warranty rights will be forfeited or the liability of the seller and manufacturer may be limited due to the user's continued operation of faulty equipment.

13. The warranty does not cover loss of profits resulting from low or no productivity due to any machine breakdown or delays in the delivery of spare parts, nor does it cover third-party damages arising from such causes. The warranty does not cover costs associated with the hire and delivery of a replacement machine.

Depending on the agreement entered into, if no relevant agreement has been concluded, the warranty is granted for a period of 12 months.

14. Any cleaning of the equipment is carried out at the user's expense in accordance with the price list of the relevant service provider and is not considered a warranty service.

15. The warranty does not cover:

a. damage and defects resulting from:

- mechanical damage
- improper or incompatible with the user , maintenance or storage,
- ignorance or damage caused by the user,
- accidents (fire, flood, water damage, etc.)
- incorrect installation or installation not in accordance with the user manual,
- the use of consumables other than those recommended by the manufacturer,
- unauthorised repairs carried out by the user or other unauthorised persons,
- modifications or structural alterations carried out by parties other than the Manufacturer or its authorised service centre,

b. consumables and parts which, when the device is used for its intended purpose, are subject to natural wear and tear before the expiry of the warranty period, in particular but not limited to:

- seals,

- filters,
- rubber hoses, pressure hoses,
- adapters with clamps,
- clamping clips.

16. The manufacturer does not permit the User to carry out repairs themselves without prior consultation with an authorised service centre, nor at unauthorised service centres. Any such repair will result in the loss of the warranty.

17. For this warranty to be valid, the following conditions must be met:

- a. the warranty must be signed by the purchaser,
- b. the warranty card must be completed fully and correctly,
- c. the purchaser must hold proof of purchase for the product covered by this warranty.
- d. the confirmation in the user manual that the machine has been connected to the electrical installation by a qualified installer, including the installer's licence numbers and stamp, must be correctly completed.

18. This warranty is valid only within the territory of the Republic of Poland.

19. Where the goods sold do not comply with the contract, the buyer is entitled by law to legal remedies at the Seller's expense (statutory warranty), and the warranty provided by the Manufacturer does not affect these legal remedies. The rights granted under the warranty are independent of the rights relating to the warranty for defects in the goods sold. This means that if the User's claims are not met under the Guarantor's liability, the User is entitled to pursue claims against the Seller under the warranty – provided that such liability has not been excluded in accordance with the provisions of Article 558 of the Civil Code.

.....
Seller's signature

.....
buyer's signature



DEKLARACJA ZGODNOŚCI

NUMER: 28/03/2023

PRODUCENT: **XTON S. C.**
ul. Franciszka Żwirki 31,
33-300 Nowy Sącz

www.xton.eu, office@xton.eu
+48 18 479 160 1 +48 535 530 824,

PRODUKTY: Maszyna DPF MASTER FLASH PROFESSIONAL PLUS
do regeneracji i czyszczenia filtrów cząstek stałych DPF
FAP GFP i katalizatorów

model: DPF300

Deklarujemy z pełną odpowiedzialnością, że produkty do których odnosi się
niniejsza deklaracja, są zgodne z następującymi dyrektywami i normami:

DYREKTYWY: - 2006/42/WE - Dyrektywa maszynowa;
- 2014/30/UE - Dyrektywa kompatybilności elektromagnetycznej EMC;
- 2014/35/UE - Dyrektywa niskonapięciowa

NORMA: - PN-EN 60204-1 - Wyposażenie elektryczne maszyn;
- PN-EN 13849-1:2016-02 - Elementy systemów sterowania związane z
bezpieczeństwem;
- PN-EN 62061:2008 - Bezpieczeństwo funkcjonalne elektrycznych,
elektronicznych; i elektronicznych programowalnych systemów sterowania
związanych z bezpieczeństwem;
- PN-EN 60947-1:2010/A1:2011 - Aparatura rozdzielcza
i sterownicza niskonapięciowa.

XTON™

Nowy Sącz, 17.03.2023