

**MULTIFUNCTIONAL DEVICE
FOR WET CLEANING AND DESINFECTION
“PEREKSA”**

Operation Manual

Made in European Union

Content

Introduction	3
Warning signs on the Equipment.	3
I. Intended purpose Scope	3
II. Design and operating principle	4
III. Specifications	6
IV. Intended Purpose of Use	7
V. Operating Procedure	9
VI. Contents.....	12
VII. Repairs	13
VIII. Storage	13
IX. Transportation	13
X. Manufacturer's guarantees	14
XI. Disposal information.....	15

Introduction

This Operation Manual is intended for personnel of the companies that operate the Multifunctional device for wet cleaning and disinfection "PEREKSA" under the regulatory requirements of the European Parliament and Council Directives (hereinafter, PEREKSA device).

Before first use, please read this Operation Manual and the attached workplace safety instructions carefully and act according to them.

Please keep this Manual for your future reference.

PEREKSA device is the general-purpose equipment. It is not subject to authorisation as a medical device.

Proper use:

Use the device only according to its intended purpose of use.

Follow the safety instructions.



Environmental protection:

Packaging materials can be recycled.

Dispose of packaging in an environmentally friendly manner.

Warning signs on the Equipment.

The following warning sign is placed on the device:

	<p style="text-align: center;">Warning! Hazardous voltage!</p> <p>After connection to the power supply source, the equipment is under potentially lethal voltage. Access to the energized assemblies and units is only allowed to authorized and qualified staff. Before sanitation and repairs, the equipment must be de-energized.</p>
	<p style="text-align: center;">Steam burn hazard!</p> <p>Burn hazard; keep your hands away from the steam jet and do not direct the steam jet to persons and other living beings.</p>

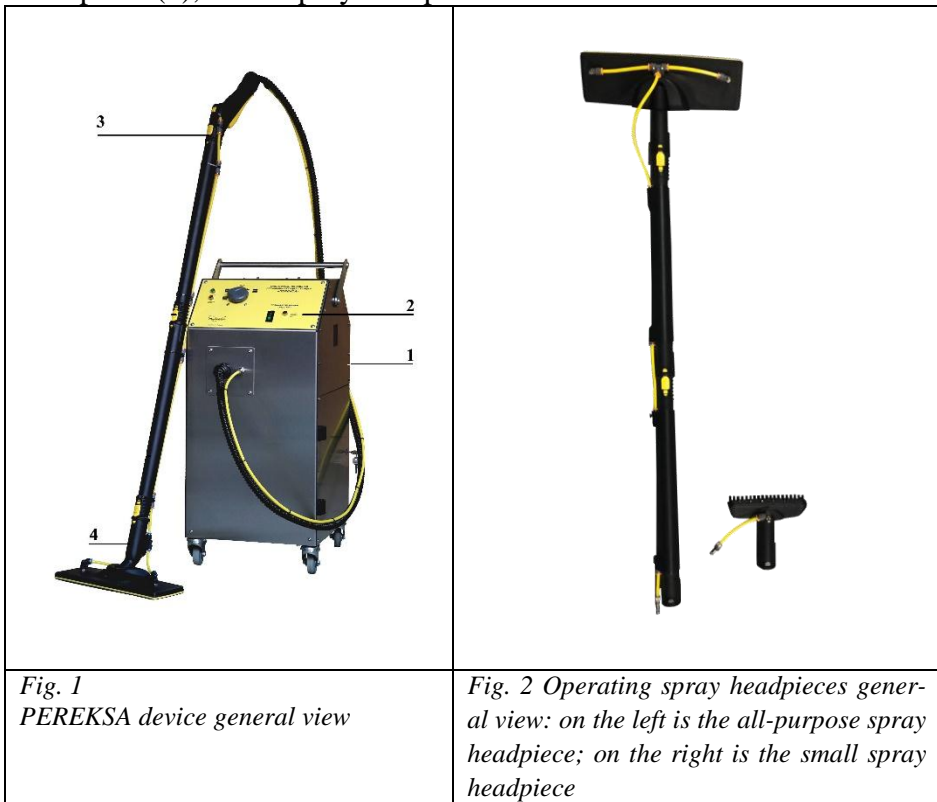
I. Intended purpose Scope

1.1. PEREKSA device is intended for wet current cleaning, overall cleaning, preventive cleaning with or without simultaneous disinfection in the legal entities performing wet cleaning and/or surfaces, textile materials disinfection for own needs and/or as a service (in particular, at industrial enterprises, in children's or secondary educational institutions, cultural and fitness centres, hotels, transportation providers, healthcare institutions, for ambulances sanitation etc.) Using the PEREKSA device, you can clean all surface types of premises, equipment, furniture, other washable surfaces (such as linoleum, Dutch

tiles, ceramic tiles, painted surfaces, metallic and plastic surfaces, woven and synthetic materials), and textile products that withstand short-term exposure to the temperature of up to 100⁰ C.

II. Design and operating principle

- 2.1. The PEREKSA device includes the housing (1), control and alarm unit (2), water heating and steam supply system; operating handle of the steam supply (3), disinfectant dosing system, all-purpose spray headpiece (4), small spray headpiece.

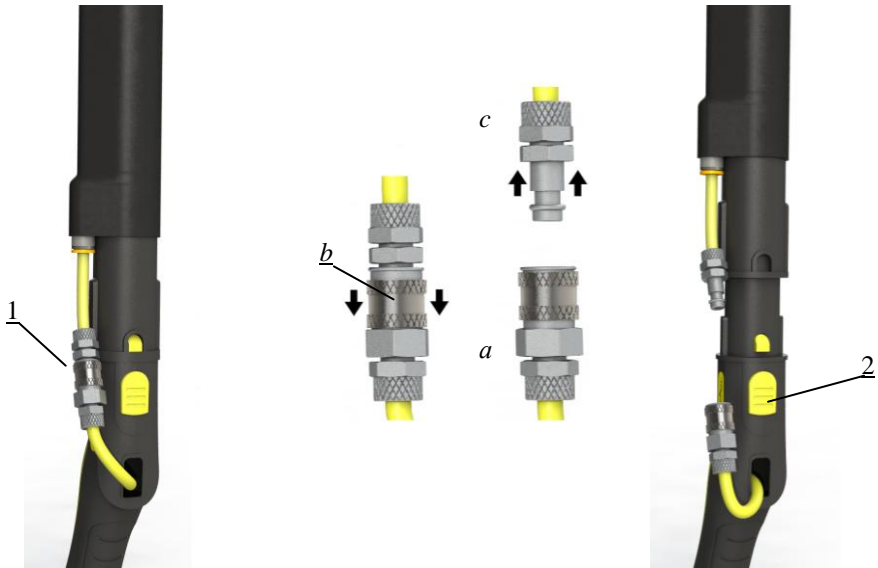


- 2.2. The housing is fitted up with the wheels making the PEREKSA device mobile.
- 2.3. The disinfectant dosing system includes a disinfectant tank equipped with the minimum liquid level sensor, a dosing pump, a yellow feed pipe connected with the spray headpiece inlet(s).
- 2.4. The water heating and steam supply system includes a water tank equipped with the minimum water level sensor, a water pump feed

- boiler equipped with safety valve and thermal sensor. Steam is supplied to the spray headpiece via the reinforced airtight hose.
- 2.5. The control and alarm unit panel is fitted up with the operating mode switch, the boiler water-heating indicator, the tank low water level indicator, disinfectant supply activation button, and the indicator of low disinfectant level in the tank.
 - 2.6. The all-purpose spray headpiece is equipped with self-adhesive tapes for fixing the textile headpieces. The small spray headpiece is also used in combination with the textile headpiece. The textile headpieces can have a colour-coding label for the User's convenient identification of the textile headpiece intended purpose, depending on the processed item/processed area.
 - 2.7. The disinfectant dosing systems and the water steam supply systems are separated from each other; the two substances can only mix in the headpiece dispersion area, providing uniform distribution of fine-dispersed disinfectant droplets in the steam, without loss of its disinfectant properties.
 - 2.8. The cleaning and disinfection efficiency has relied on the combined impact of the pressurized steam and 6% hydrogen peroxide. Strong detergent and deodorating effects, as well as disinfection (antimicrobial, bactericidal [incl. tuberculosis mycobacteria, Schigellae, E. coli, S. aureus, spore-forming bacteria], fungicide [including against *Candida albicans*, *Aspergillus*, *Penicillium*), virucidal [including against poliomyelitis virus, adenovirus]) action can be achieved at the same time.
 - 2.9. The PEREKSA device can be used without the disinfectant for daily wet cleaning and cleaning the stubborn dirt; steam cleaning without disinfectant also reduces the overall microbial contamination of surfaces and has the deodorating effect.
 - 2.10. The all-purpose spray headpiece is mounted to the working steam supply control handle in the supply set.
 - 2.11. The small spray headpiece can also be mounted directly to the working steam supply control handle.
 - 2.12. The all-purpose spray headpiece replacement with the small one can be performed as follows:
 1. Make sure the PEREKSA device is switched off, and the condensate and steam residues in the system have been bled off (see Clause 5.23.2)

2. Disconnect the yellow feed pipe. To this end, pull the spring lock (b) on the socket (a) towards the handle. If the plug (c) did not disconnect remove it from the socket.

Attention: do not try to pull the pipe from the quick connector (1)!



*Fig. 3 Yellow feed pipe disconnection:
1 – quick connector: a – socket, b – spring lock, c – plug
2 – headpiece locker.*

3. Disconnect the all-purpose spray headpiece from the steam supply operating handle, by pressing on the headpiece locker (2).

4. Insert the small headpiece into the working handle until the lock clicks in place.

5. Connect the yellow feed pipe by inserting the plug (c) into the socket (a) until the spring lock click in place (b).

III. Specifications

3.1. Essential technical and functional Equipment parameters are shown in Table 1:

Table 1. Essential technical and functional parameters.

s/r #	Parameter	Value
1	Housing dimensions with the advanced retractable handle (in the operating mode),	

	not more than (NMT), mm - depth - width - height	700 500 1400
2	Housing dimensions with the folded retractable handle, NMT, mm - depth - width - height	700 500 800
2	Equipment type	Mobile
3	Disinfectant tank volume, L	NMT 5
4	Water tank volume, L	NMT 5
5	Boiler volume, L	NMT 0.5
6	Working steam pressure in the boiler, bar, NMT	4.2
7	Processing temperature, NMT	105 °C
8	6% hydrogen peroxide consumption	(750±100) mL
9	Continuous operation time at the maximum permissible tank water filling in Mode 3	Not less than (NLT) 2 hours
10	Power supply, V, Hz	220V±10% 50Hz
11	Consumed capacity, NMT, W	3000
12	Net weight, NMT, kg	30

3.2. Recommended continuous operation time: NMT 8 hours per day

3.3. Adjusted sound capacity level: NMT 60 dBa.

3.4. Average useful life: 4 years.

IV. Intended Purpose of Use

4.1. SAFETY INSTRUCTIONS

4.1.1. PEREKSA device is allowed to be operated by persons aged 18 and older, with no medical restrictions or contraindications, who have been briefed in occupational fire and electric safety, trained and briefed in safe handling of disinfectants and first aid provision, who have read this Operation Manual and the Disinfectant Use Instruction carefully.

4.1.2. When operating the PEREKSA device you should follow the Safety Rules for Electric Devices, as well as the following safety measure:

- The Operator must wear the standard overalls for cleaning, one-piece (if necessary), safety goggles or safety face mask, respiratory protection equipment, neoprene or rubber gloves, that protect from aerosol pollution.
- Operations in the disinfection mode shall be performed in premises with sufficient ventilation. After completion of processing, the premises shall be ventilated for 10-30 minutes depending on the premises area and the processing period. The premises is also recommended to be ventilated during processing.
- Operations in the steam disinfection mode are allowed in combination with compatible disinfectants containing 6% hydrogen peroxide. The compatible disinfectant may additionally contain hydrogen peroxide stabilizers/ preservatives only. The compatible disinfectant shall not contain additional active substances and components, other than hydrogen peroxide (including those with disinfecting or detergent activity).
- Operation in the steam-only processing mode does not require ventilation of the premises; long-term equipment use in the presence of other persons (patients, visitors etc.) is possible.
- If you have allergies, please monitor your condition carefully when using the equipment in the disinfection mode for the first time; stop work if hypersensitivity reaction occurs.
- Do not touch the steam output headpiece with the equipment switched on.
- Do not direct the steam jet towards a person, animal, power plug or the device itself.
- Be sure to switch the PEREKSA device off when it is left unattended.
- Do not use the PEREKSA device if its power cord or other assemblies or elements are damaged.
- Never touch the PEREKSA device with wet hands or legs.
- Never operate the PEREKSA device if the fill openings are not covered with special caps.
- Never pull the power cord or the equipment itself in order to pull the plug out of the socket.
- Keep the PEREKSA device out of moisture when it operates.
- Prevent water from freezing in tanks and pipes.

- If necessary, use extenders (cable with 2.5 mm² and greater section) compatible with the equipment.
- Follow the additional safety measures indicated in the disinfectant instruction for use.

4.2. FIRST AID:

- 4.2.1. If skin exposure to steam occurs, rinse the affected skin with cold running water immediately.
- 4.2.2. If eyes exposure to steam occurs, rinse eyes with cool running water immediately for 15 minutes, if necessary seek an ophthalmologist's advice.
- 4.2.3. In case of respiratory tract irritation (tickling sensation in the throat, nose, cough, shortness of breath, suffocation, lacrymation), you should get out in the open air or a well-ventilated area. Rinse the mouth and the throat with water and drink warm liquid (milk or mineral water). If necessary, seek a doctor's advice.

- 4.2.4. If directly exposed to 6% hydrogen peroxide, provide first aid according to the disinfectant instructions for use.

4.3. PREPARATION FOR PEREKSA DEVICE OPERATION

- 4.3.1. Unpack the PEREKSA device from the transportation container, remove the outer safety package.
- 4.3.2. After storage of the Equipment in a cold premises or after its transportation in winter conditions, the Equipment shall be kept for at least 12 hours at room temperature.
- 4.3.3. Make sure the assemblies and components of the PEREKSA device are intact.
- 4.3.4. Install the body handle into the working position, lock it with the bolts using a hexagonal wrench.
- 4.3.5. If necessary, change the operating spray headpiece and make sure the operating mode switch is in the OFF mode, the disinfectant supply is switched off, and the PEREKSA station is off, then follow the Clause 2.11.
- 4.3.6. Environmental conditions for the PEREKSA device operation: inside and outside the premises, in a place protected from precipitation and wind, at ambient temperature between +5 ° C and +50 ° C, and up to 100% RH.

V. Operating Procedure

- 5.1. Before the operation, make sure all assemblies are intact and the components, auxiliary materials, personal protective equipment, process and operation documents are available.
- 5.2. All procedures during the PEREKSA device operation should be performed using personal protective equipment: wearing the standard overalls for cleaning, one-piece (if necessary), safety goggles or safety

face mask, respiratory protection equipment, neoprene or rubber gloves, that protect from aerosol pollution.

- 5.3. Fill the tank via the filling aperture marked WATER with water, and via the filling, aperture marked HYDROGEN PEROXIDE with the disinfectant (6% hydrogen peroxide) (if necessary). After the tank is filled, each filling aperture is closed with a stopper.

Note:

Warm water use shortens the heating time.

- 5.4. Connect the Equipment to the A/C 220 V 50 Hz power grid, into a grounded socket.
- 5.5. Turn the operating mode switch located on the control panel to ON (pre-heating) in order to switch the PEREKSA device on. The green water heating indicator starts blinking. If you intend to use the disinfection function, turn on 6% hydrogen peroxide supply at first launch or after a long break-in operation, by pressing the disinfectant supply switch to ON.
- 5.6. When the water heating indicator starts to glow constantly, the PEREKSA device is ready for steam processing. When disinfectant starts to come out of the operating spray headpiece, the PEREKSA device is ready for disinfectant processing. Switch off the disinfectant supply temporarily, to conduct the steps from items 5.7 to 5.9.
- 5.7. Select the necessary steam supply intensity using the operating mode switch located on the control panel:
 - 1 - minimum steam supply mode;
 - 2 - moderate steam supply mode;
 - 3 - maximum steam supply mode;
 - 4 - oversaturated steam supply mode.
- 5.8. The disinfection mode is operated in modes 1, 2, and 3.
- 5.9. Press on the steam supply level on the handle — the steam will start to come out of the spray headpiece. At the shift start or after a long break-in operation (more than 15 minutes), let the steam pass via the steam supply system for its warming-up for 15 seconds. The condensate that should be collected into a container will come out of the operating spray headpiece. Switch the steam supply off.
- 5.10. A new textile headpiece should be placed or replaced when the steam and the disinfectant supplies are switched off.
- 5.11. When using the the device in the disinfection mode with the all-purpose textile headpiece, place the headpiece, turn the disinfectant supply on, and wait until the textile headpiece becomes impregnated with the disinfectant (approx. 60–90 seconds). Then turn the steam supply on in the necessary mode, prop the operating headpiece against the floor, wait (for approx. 15 seconds) until the textile headpiece is

heated with the steam and then sanitize the surfaces/objects. The actions described in Clause 5.11 shall be repeated each time the textile headpiece is replaced with the all-purpose spray headpiece.

- 5.12. When using the disinfection mode with the small textile spray headpiece, place it, switch on the disinfectant supply and steam supply immediately in the necessary mode and sanitize the surfaces/objects.
- 5.13. To change the steam output, release the steam supply lever on the handle and select the necessary mode using the operating mode switch. It may require higher intensity steam to clean the stubborn dirt
- 5.14. To switch the disinfection mode off, set the disinfectant supply switch to OFF on the control panel.
- 5.15. To obtain the bactericidal and sporicidal effects, steam processing modes 1, 2 and 3 can be applied, combined with the disinfectant use.
- 5.16. Fungicidal effect is obtained by Mode 3 applying combined with the disinfectant use.
- 5.17. For virucidal effect against the most resistant non-enveloped viruses, the surfaces are sanitized twice in Mode 3 in combination with the disinfectant use; the oil-painted walls are sanitized three times.
- 5.18. Processing in other modes also leads to significant reduction in microbial contamination of the surfaces.
- 5.19. SURFACE PROCESSING

Before processing, we recommend to clean the surface of stubborn dirt (e.g. to sweep the floor).

Sanitize the surfaces with steam or steam + disinfectant For disinfecting effect, perform steam processing in combination with the disinfectant used at the rate of approx. 10 cm/second.

We recommend to sanitize the surfaces top to bottom, from cleaner areas to dirtier ones, towards the premises' exit.

Textile headpieces differentiation depending on the premise category/area, as well as the object type is regulated by the company's internal standards.

If necessary, check the surface resistance to processing on a small surface portion. Glued angles and edges may separate under the steam exposure; the surfaces coated with the paint not suitable for washing are usually not resistant to steam processing.

Surfaces made of non-ferrous metals shall not be processed.

When processing thermolabile surfaces, fast processing can be used via double textile headpiece layer or else the surface can be cleaned with the textile headpiece wetted with the steam, without direct steaming the surface.

When sanitizing glass surfaces, be sure to pre-heat the entire surface by fast processing over it before the main processing.

When the processing is complete, ventilate the premises.

5.20. TEXTILE MATERIAL DISINFECTION

For disinfection of textile materials, spread them on a horizontal surface and use the small working spray headpiece for processing in the mode prescribed in Clauses 5.14–5.16. Avoid folds in the processed areas.

5.21. TEXTILE MATERIAL REFRESHMENT

The PEREKSA device can be used for clothes refreshment and straighten out small folds. Textile materials can be processed in vertical (suspended) state.

5.22. WATER/DISINFECTANT ADDING

- 5.22.1. The appropriate light and sound indicators on the control panel indicate the water or disinfectant low levels.
- 5.22.2. De-energize the Equipment (turn the operating mode switch OFF) and fill the tank via the appropriate filling aperture.

5.23. EQUIPMENT SWITCHING OFF

- 5.23.1. Set the steam intensity controller to OFF position. De-energize the PEREKSA device.
- 5.23.2. Press on the steam supply lever until the steam output stops.

5.24. PREPARATION FOR STORAGE

- 5.24.1. Remove all used textile headpieces and send them for disinfection and/or laundry according to Clauses 5.25.2–5.25.4.

5.25. Equipment disinfection

- 5.25.1. De-energize the equipment and sanitize its surfaces with the oxygen-containing disinfectant using the wiping method.
- 5.25.2. The used textile headpieces should be disinfected (if required according to the operational procedures or if the textile headpiece is used for disinfection) with the approved and appropriate disinfectant for textile materials. Chlorine containing disinfectants shall not be used for textile headpiece disinfection.
- 5.25.3. Before washing, the textile headpieces shall be pre-rinsed to remove sand and other large particles that can damage the fiber structure during washing. Wash at NMT 60 ° C, wringing of NMT 800 rpm Special alkali-free and chlorine-free detergents are recommended for use when washing. The impact of alkali and chlorine compounds leads to accelerated loss of the textile headpiece functional properties. Whiteners, conditioners and rinsers shall not be used.
- 5.25.4. After washing, the textile headpieces should be dried naturally in the ventilated premises. Special drying equipment without heat impact, which provides items drying by airflow convection, can be used.

VI. Contents

The PEREKSA device supply set includes:

Name	Qty, pcs
Multifunctional device for wet cleaning and disinfection "PEREKSA"	1
Small spray headpiece	1 pcs
All-purpose textile spray headpiece	not less than 4 pcs
Small textile spray headpiece	not less than 1 pcs
Hexagonal wrench	1 pcs
Operational documentation:	
Operation Manual	1 pcs

VII. Repairs

- 7.1. Decision with regards to the PEREKSA device repair need is made by the repair company jointly with the Owner (User) based on the technical evaluation findings.
- 7.2. Repairs can be performed both on the operation site and at the manufacturing facilities of the repair company, depending on the scope and complexity of repair work, as well as on the equipment transportation options.

VIII. Storage

The packed device should be stored in a closed heated premises under +5–40 °C and up to 85% RH.

The disinfectant (6% hydrogen peroxide) should be stored according to the Operation Manual requirements.

IX. Transportation

- 9.1. The PEREKSA device is transported by all covered vehicles, except for unheated aircraft compartments, according to the regulations applicable to this transportation means, approved in an established manner.
- 9.2. Device transportation conditions **before commissioning** as concerns the impact of climate factors:
 - temperature range: between -50°C and +50°C;
 - relative humidity up to 100% at 25°C.
- 9.3. The equipment transported at temperatures below zero must be kept in the transportation package at room temperature for at least 12 h.

- 9.4. The equipment that has already been operated shall not be transported at temperatures below zero.
- 9.5. Information on 6% hydrogen peroxide disinfectant transportation — according to the Operation Manual requirements.

X. Manufacturer's guarantees

- 10.1. **The Manufacturer guarantees the reliable device performance and full conformity of the operating parameters to the claimed characteristics during 12 months after the sale date, provided the Buyer complies with the operating terms.**
- 10.2. During the guarantee period, the Manufacturer performs guarantee repairs and replacement of faulty equipment parts and assemblies at its own expense if the detected defects occur due to its own fault.
- 10.3. The Manufacturer is under no guarantee obligations in the following cases:
 - The Equipment was used for something other than for its intended purpose;
 - If the connection terms, the Equipment operation rules, terms and requirements, as well as other requirements set forth in the Operation Manual or other appropriate legal documents are breached;
 - In case of self-alteration or self-replacement of the Equipment elements and assemblies or the Equipment dismantling without the Manufacturer's prior permission or consent.
 - If the Equipment has signs of self-repairs;
 - If the Equipment or its assemblies have outer mechanical damage occurring after the Equipment is transferred to the Buyer;
 - If the Equipment or its assemblies have damage due to non-conformity to the power grid parameters and standards;
 - If there is no Guarantee Coupon issued in the established manner available.
 - If the commissioning, maintenance or repairs were carried out by the companies not accredited by the Manufacturer and/or not duly qualified persons.

XI. Disposal information

- 11.1. The materials not hazardous to humans and the environment are used in the Equipment manufacturing process.
- 11.2. The Equipment shall not be disposed of along with the domestic waste. The Equipment is disposed of according to the general requirements to the electric equipment disposal.
- 11.3. The components not comprising electric components can be removed with domestic waste.
- 11.4. Information on disposal of 6% hydrogen peroxide disinfectant — according to the Operation Manual requirements.

Electrical and electronic devices contain recyclable materials and components that, if used or disposed improperly, can be potentially hazardous to the health and the environment. Devices and their components marked with this symbol cannot be disposed of as municipal waste.



PACKAGING CERTIFICATE

Multifunctional device for wet cleaning and disinfection "PEREK-SA", serial No. _____
was packaged by Dezmag Ltd. according to the requirements envisaged in the current technical regulations.

position

personal signature

print name
signatures

year, month, date

ACCEPTANCE CERTIFICATE

Multifunctional device for wet cleaning and disinfection "PEREK-SA", serial No. _____
was manufactured and accepted according to the current technical regulations and passed as in perfect order.

Authorised person

position

personal signature

print name
signatures

year, month, date

L.S.

Dezmag Ltd.

Rīgas iela 34-1A, Daugavpils, LV-5401, Latvia

GUARANTEE COUPON

for repairs/replacement during the garrantee period

Multifunctional device for wet cleaning and disinfection "PEREKSA",
manufacturer's No. _____

Manufacture date: _____, 20__

Enterprise's stamp:

Sales information:

Trade company's name, address, and phone:

Sales date: _____, 20__

Seller's signature and last name: _____

L.S.

Annexe 1

Bactericidal activity test results for the Multifunctional device for wet cleaning and disinfection "PEREKSA"

Wiping method, exposure: minimum (1), moderate (2), maximum (3) steam supply mode with disinfectant supply								
Evaluable parameters	Hygienic standard	UoM	Regulation on test methods	Test findings				
				Lino-leum	Plastic	Ceram-ic tiles	Metal	Painted surface
E. Coli 1275 (2 billion CFU/ml)	NLT 99.99	%	Methods of Disinfectant Efficiency and Safety Laboratory Tests and Studies, R 4.2.2643-10	99.99	99.99	99.99	99.99	99.99
St. aureus 906 (2 billion CFU/ml)	NLT 99.99	%		99.99	99.99	99.99	99.99	99.99
Ps. aeruginosa (2 billion CFU/ml)	NLT 99.99	%		99.99	99.99	99.99	99.99	99.99
Bacillus cereus (2 billion CFU/ml)	NLT 99.99	%		99.99	99.99	99.99	99.99	99.99
Mycobacterium B₅ (2 billion CFU/ml)	NLT 99.99	%		99.99	99.99	99.99	99.99	99.99
Candida albicans (2 billion CFU/ml)	NLT 99.99	%		99.99	99.99	99.99	99.99	99.99
Salm. enter. (2 billion CFU/ml)	NLT 99.99	%		99.99	99.99	99.99	99.99	99.99
Sh. sonnei (2 billion CFU/ml)	NLT 99.99	%		99.99	99.99	99.99	99.99	99.99

Annexe 2

Bactericidal activity test results for the Multifunctional device for wet cleaning and disinfection "PEREKSA"

Wiping method: exposure — moderate steam supply mode combined with disinfectant supply								
Evaluable parameters	Hygienic standard	UoM	Regulation on test methods	Test findings				
				Lino-leum	Plastic	Ceramic tiles	Metal	Painted surface
E. Coli 1275 (2 billion CFU/ml)	NLT 99.99	%	Methods of Disinfectant Efficiency and Safety Laboratory Tests and Studies, R 4.2.2643-10	99.99	99.99	99.99	99.99	99.99
St. aureus 906 (2 billion CFU/ml)	NLT 99.99	%		99.99	99.99	99.99	99.99	99.99
Ps. aeruginosa (2 billion CFU/ml)	NLT 99.99	%		99.99	99.99	99.99	99.99	99.99
Bacillus cereus (2 billion CFU/ml)	NLT 99.99	%		99.99	99.99	99.99	99.99	99.99
Mycobacterium B₅ (2 billion CFU/ml)	NLT 99.99	%		99.99	99.99	99.99	99.99	99.99
Candida albicans (2 billion CFU/ml)	NLT 99.99	%		99.99	99.99	99.99	99.99	99.99
Salm. enter. (2 billion CFU/ml)	NLT 99.99	%		99.99	99.99	99.99	99.99	99.99
Sh. sonnei (2 billion CFU/ml)	NLT 99.99	%		99.99	99.99	99.99	99.99	99.99

Annexe 3

Bactericidal activity test results for the Multifunctional device for wet cleaning and disinfection "PEREKSA"

Wiping method: exposure — maximum steam supply mode combined with disinfectant supply								
Evaluable parameters	Hygienic standard	UoM	Regulation on test methods	Test findings				
				Lino-leum	Plastic	Ceram-ic tiles	Metal	Painted surface
E. Coli 1275 (2 billion CFU/ml)	NLT 99.99	%	Methods of Disinfectant Efficiency and Safety Laboratory Tests and Studies, R 4.2.2643-10	99.99	99.99	99.99	99.99	99.99
St. aureus 906 (2 billion CFU/ml)	NLT 99.99	%		99.99	99.99	99.99	99.99	99.99
Ps. aeruginosa (2 billion CFU/ml)	NLT 99.99	%		99.99	99.99	99.99	99.99	99.99
Bacillus cereus (2 billion CFU/ml)	NLT 99.99	%		99.99	99.99	99.99	99.99	99.99
Mycobacterium B₅ (2 billion CFU/ml)	NLT 99.99	%		99.99	99.99	99.99	99.99	99.99
Candida albicans (2 billion CFU/ml)	NLT 99.99	%		99.99	99.99	99.99	99.99	99.99
Salm. enter. (2 billion CFU/ml)	NLT 99.99	%		99.99	99.99	99.99	99.99	99.99
Sh. sonnei (2 billion CFU/ml)	NLT 99.99	%		99.99	99.99	99.99	99.99	99.99

Annexe 4

Efficiency test findings for the Multifunctional device for wet cleaning and disinfection "PEREKSA", for inactivation of non-enveloped human viruses on different surfaces

Wiping method: exposure — minimum/maximum steam supply mode combined with disinfectant supply				
Material	Adenovirus efficiency, %		Coxsackie virus efficiency, %	
	Minimum	Maximum	Minimum	Maximum
Glass	99.97	100.00	99.99	100.00
Plastic	99.90	99.99	99.94	100.00
Painted wall	99.68	99.97	99.82	99.98
Metal	99.90	100.00	99.99	100.00
Tiles	99.98	100.00	99.94377	100.00

Annexe 5

Fungicidal efficiency test results for the Multifunctional device for wet cleaning and disinfection "PEREKSA"

Wiping method: exposure — minimum/maximum steam supply mode combined with disinfectant supply				
Material	Efficiency against Aspergillus niger strain, PKIII F 1249/80-2, %		Efficiency against Penicillium chrysogenum strain, PKIII F 1350, %	
	Minimum	Maximum	Minimum	Maximum
Linoleum	97.07	>99.99	99.99	>99.99
Plastic	98.30	>99.99	99.94	>99.99
Painted wall	99.87	>99.99	99.50	>99.50
Metal	>99.99	>99.99	99.56	>99.99
Tiles	99.91	>99.99	99.52	>99.99

Annexe 6

Assessment of surfaces and Multifunctional device for wet cleaning and disinfection "PEREKSA" sanitation compatibility

Surface type	Exposure	Visual assessment of surface appearance change		
		Minimum steam supply mode combined with disinfectant supply mode	Moderate steam supply mode combined with disinfectant supply	Maximum steam supply mode combined with disinfectant supply mode
plastic	wiping method	no changes	no changes	no changes
ceramic tiles	wiping method	no changes	no changes	no changes
Painted surfaces	wiping method	no changes	no changes	no changes
metal	wiping method	no changes	no changes	no changes
linoleum	wiping method	no changes	no changes	no changes

