

puzer
KESKUSPÖLYNIMURI



Puzer Eeva

The stylish and small central vacuum cleaner of the Puzer collection

**PLEASE READ THIS MANUAL BEFORE
USING THE VACUUM CLEANER**

USER MANUAL

PUZER EEVA

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Important safety instructions



PLEASE KEEP THIS MANUAL FOR FUTURE USE

NB! Read all the safety instructions and warnings before using your central vacuum cleaner.

- This central vacuum cleaner is designed for vacuuming in dry areas do not use it for vacuuming liquid.
- Do not vacuum near smoke, glowing embers, fire or hot ashes.
- Do not vacuum in areas that may contain burning or easily flammable liquids and gases.
- Always pull out the plug before changing the filter or dust bag, and before servicing.
- When you pull out the plug, pull by the plug, never pull the cord.
- The outlet and the plug shall be in a clearly visible place.
- Do not mount the vacuum cleaner into too narrow a place. The minimum dimensions in a cupboard installation are (W x D x H) 470 x 570 x 700.
- Do not vacuum sharp objects, such as glass or needles as they may get stuck in the pipework.
- Do not cover the central unit.
- Always comply with the instructions in this manual.
- The servicing of the vacuum cleaner must only be carried out by an authorized servicing company. Use only spare parts and accessories recommended by the manufacturer. Never try to make any alterations into the vacuum cleaner.
- Never use a central vacuum cleaner with a faulty electrical wire. The central vacuum cleaner has a special wire that should always be replaced with a wire of the same type. They can be purchased at authorised repair shops.
- Remember that the central vacuum cleaner is not a toy.
- Never vacuum without a dust bag.
- Always pull out the hose from the suction outlet after you finish vacuuming.

TECHNICAL SPECIFICATIONS

Puzer Eeva central vacuum cleaner



Puzer Eeva is a small but effective central vacuum cleaner. The stylish and small design of Eeva suits both for small and medium-sized homes. Eeva is an excellent choice also for a row house. When Eeva entered the market, it was the world's first central vacuum cleaner designed for a dustbag. The air flow going through the dust bag packs the dust tightly and the volume of Eeva's 8 l dust bag corresponds to the container volume of 60 l in a traditional central vacuum cleaner.

Motor power max.	1200 W
Air power max.	165 m ³ /h
Vacuum max.	28 kPa
Suction power max.	550 W
Noise level min.	60 dB(A)
Height / required space	33/40 cm
Width / depth	46/22 cm
Overheat protectors	is
Fuse (automatic)	10 A (slow)
Operating voltage min – max	V 50Hz 210-244
IP class	IPX0
Volume of the container	8l



MOUNTING THE CENTRAL VACUUM CLEANER

There are detailed instructions on how to mount the Puzer dust piping system and suction outlets. These instructions are included in your piping system delivery.

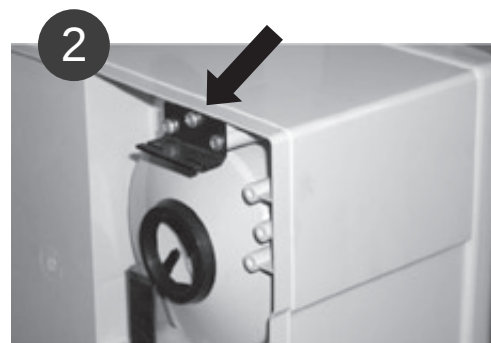
1 MOUNTING THE CENTRAL UNIT INTO THE WALL BRACKET

The wall rack is installed to the wall by four fastening points. Use special brackets designed for ingot and gypsum board walls. Special surface mounting irons are handy when doing surface and post mounting.



2 MOUNTING THE CENTRAL UNIT TO THE WALL BRACKET

The central unit is fastened to the wall rack with the hanging hooks in the machine.



3 ASSEMBLING THE CENTRAL UNIT

Push the machine to the wall racket supporting with slightly with your hand and pressing backward.

Check that the hanging hooks of the machine are evenly on the rubbers of the wall rack. Put the latches of the hanging hooks to their correct places.

Connect the light connector from the circuit board to the weak current wire coming from the suction outlet. Fasten the electric conductor to the circuit board and wall outlet - now the vacuum cleaner is ready to use.



INFORMATION

In case you need any help with planning and installing your central vacuum system, please contact the dealer or the manufacturer in the following address.

Manufacturing and marketing:

KP-TEKNO OY

Masalantie 365, 02430 Masala
tel.+358 9 296 5070, fax +358 9 221 5932
e-mail: puzer@puzer.fi, www.puzer.fi



USING THE SYSTEM

Puzer Central Vacuum Cleaner is easy to use. If you are using a suction hose with a handle switch feature, push the hose to the suction inlet as shown in the image (1). Now you can start and stop the system with the handle of the suction hose. If you are using a suction hose without a handle switch feature, the system starts when you connect the suction hose to the suction inlet. The central vacuum cleaner is designed for traditional vacuuming of household dust and litter. When vacuuming an area that is very dusty or wet, a pre-separator must be used. (2).

Vacuuming construction or gypsum dust is strictly forbidden without a pre-separator.



THE OPERATION PRINCIPLES OF THE CENTRAL VACUUM CLEANER

When the user connects into the system by connecting the suction hose to the wall outlet, an electronic signal from the wall outlet is sent to the central unit to start the system. The central unit starts, and the vacuum created by the system causes suction in the pipings.

The central unit stays on, until the hose is pulled out from the suction outlet. The vacuum cleaner can be equipped with a hose featuring a handle switch to start the vacuum.



MAINTENANCE AND CHANGING THE DUST BAG

THE DUST BAG IS CHANGED IN THE FOLLOWING WAY:

1. Pull the dust bag rack directly out of the machine. Support the machine body with your hand when necessary if the rack feels tight.

2. Fold the tab to its place to prevent the dust from spreading to the environment. Remove the bag from the holder.

3. Place the new bag into the rack. Place the cardboard collar of the dustbag to the slot of the flange in the rack. Push the rack with the dust bag to the machine. Make sure by feeling with your hand through the bag that the pipe of the machine is pressed inside the bag. In case the rack is not correctly positioned, the cover of the vacuum cleaner will not be closed.

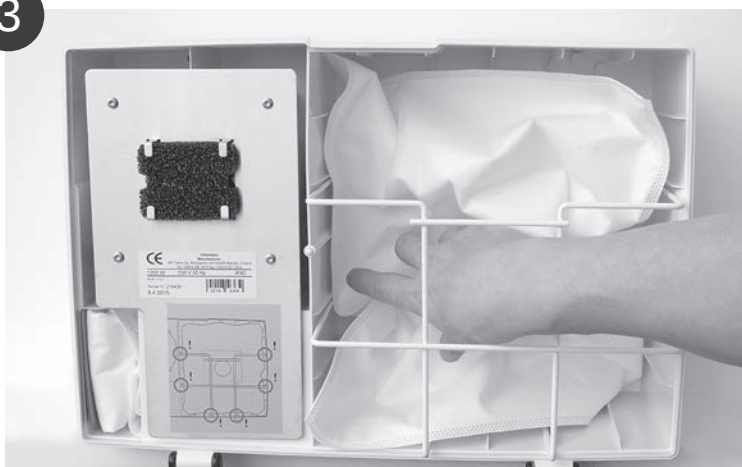
1



2



3



COARSE FILTER

A coarse filter operates as the last barrier protecting the motor. In case the dust bag is damaged for some reason, the dust bag will prevent the dust from getting inside the motor. It can be cleaned by rinsing under running water. After cleaning, make sure that the filter is dry before you use the vacuum cleaner.



TROUBLESHOOTING

NOTE:

230 V ELECTRICAL WORK CAN ONLY BE CARRIED OUT BY A PROFESSIONAL WHO IS AWARE OF ALL THE SAFETY REGULATIONS.

THE VACUUM CLEANER DOES NOT START

- Is the central unit connected to the mains?
- Is the wall socket supplied with electricity?
- Is the low voltage cable connected to the central vacuum cleaner?
- Have you got the right hose? Original hoses have the right connectors
- Does the vacuum cleaner start, if you try another suction outlet? If the vacuum cleaner starts, the fault is in the electrical connections of the suction outlet. Detach the outlet and check the wiring connections.
- The vacuum cleaner is equipped with a overheat protection function which may have tripped. Wait for ten minutes until the vacuum cleaner cools down. If the protection function comes on again, contact an authorized service company.
- Has the automatic fuse of the vacuum cleaner tripped? Press it and restart.
- Check whether the abiko terminals are attached to the circuit board.
- **The main fuse shall be of 10A**

Model:

Product number:

Serial number/ date:

Date of purchase:

KEEP THE RECEIPT

LOW SUCTION

- Are all the suction outlets properly fitted?
- Has something got stuck in the suction outlet?
- Is the dust bag full?
- Is the cover properly placed?
- Are the suction pipes blocked?
- Is the hose blocked?
- Is there a leak in the pipework?
- Are the O rings of the suction outlet in their place?

SERVICE AND SPARE PARTS

If your vacuum cleaner needs servicing or spare parts, please mention the technical data on the type shield. The shield is located inside the machine by the dust bag. Write down the information below. That way they are always within reach.

The guarantee of the central unit is 5 years.



The symbol marked to the product or package indicates that this product must not be handled as household waste. Instead, the product

shall be submitted to a suitable recycling point that takes care of the recycling of electrical and electronic equipment. The appropriate disposal of this product helps to prevent any harmful effects on the environment and health, which may be caused by the inappropriate handling of this product. More exact information on the recycling of this product can be found in the local municipal office, household waste service or the place where you have purchased the product.

FEATURES OF THE PUZER EEVA CIRCUIT BOARD

1 - SOFT START

The start peak is limited with a TRIC relay, this way the start power is delivered to the motor with a delay of 1 second. The start voltage is significantly smaller and the stress of the fuses, network and motor decreases.

2 - LOW VOLTAGE LED AUTOPOLARITY *2

The green light in the machine of the pendant is always one when the voltage is connected. (i.e. the plug is in the outlet)

3 - OPERATION HOUR COUNTER *3

By using EEPROM technology (erasable programmable ROM), the card registers two two types of time, which can be checked by the user only by looking at two separate LEDs located in the protective board of the circuit board. **a.** Short time **b.** Total time

TIME USED	LED COLOUR	MEANS	OPERATION
15 hours	Slow green blinking	The vacuum cleaner has been used 15 hours since the last receipt	Change/check the dustbag and press the receipt button for 5 seconds
0-399 hours	Green	Less than 400 operation hours	-
400 - 499	Orange	Over 400 operation hours	-
Over 500 hours	Red	Over 500 operation hours	-

4 - SELF CHECK

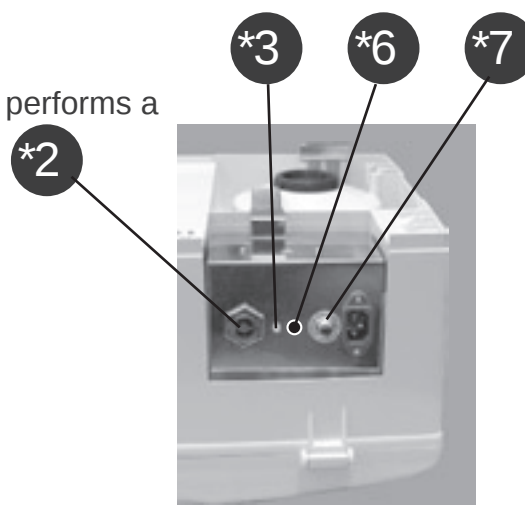
When the mains cable is connected, the circuit board performs a self check. When everything is ok, the LED blinks quickly for a few seconds.

5 - SHUT OFF DELAY

The shut off has a two (2) second delay so that the pipe work and hose are surely emptied after the switch off.

6 - RESET/DEMO SWITCH *6

Performs the following operations:



Function	Operation	Result
Test/demo	Press and release the switch in less than 5 seconds.	The card performs a self check and goes through all the phases of the previous table (see table 1)
Partial reset	Press the switch for over 5 seconds when the motor is not running.	The system will reset the 15 hours' countdown and the blinking LED (3) returns to the continuously on mode.
Total reset	Press the switch over 30 seconds when the engine is running.	The system reset the total time calculation.

7 - AUTOMATIC FUSE*7

The circuit board is equipped with an automatic fuse, (the button with the text “circuit breaker”). The reset takes place by pushing the button.

Puzer - central vacuum cleaner

and dust-free environment are important parts of the wellbeing of your family.

Every person values clean air at home. The traditional vacuum cleaner is not sufficient to make your home properly clean - the fine dust in the exhaust air will remain floating in the indoor air and will settle again. The Puzer central vacuum cleaner is more effective. Puzer removes even the smallest micro dust in your home and it is quiet and easy to use.

PUZER-CENTRAL VACUUM CLEANER TAKES THE EXHAUST AIR OUTSIDE

The fact is that the dust filter of a traditional vacuum cleaner cannot be made so tight that it would collect also the tiny micro particles in the indoor air. Why should you remove the micro particles by vacuuming? People allergic to dust know the answer.

Without a doubt - the micro dust will make the allergy symptoms appear. For healthy persons, fresh, dust-free inside air means a cozier home environment, and quality of life.

Ilmari Lindgren, an adjunct professor working in the Helsinki University's Skin and Allergy Hospital, conducted a research on the effect of vacuuming on the amount of dust in the indoor air. Lindgren's research shows that using a conventional vacuum cleaner significantly increases the number of the smallest and most dangerous micro dust particles in the air. However, when using the Puzer Central Vacuum Cleaner the number of dust particles decreases, which results in cleaner air. Already after one month of vacuuming with Puzer, indoor air becomes as dustless as clean air outside.

It is so silent that you can hardly believe your ears.

You only need to attach the hose to the suction outlet and the Puzer Central Vacuum Cleaner is ready to use! The central unit of the vacuum cleaner is installed in a cleaning cupboard or in a storage room, which means that there is no need to pull the vacuum cleaner around

the house, and in the same time you can forget about bumping the vacuum cleaner into furniture, and suffering from that annoying noise associated with the conventional vacuum cleaners. Central vacuum cleaners are silent to use so it is possible to continue a normal conversation or watch TV when the unit is on.

Easy to install to new and old houses – you can do it yourself.

Puzer is a central vacuum cleaner designed in a way that it is easy to install to a house, even after the building is ready. The installation of the whole system takes only a few hours. Most houses have hollow cored non-bearing walls made of panels. The installation of the piping system away from sight is most often fast and easy in this kind of structure. The piping can alternatively go through storage rooms and other such areas. Moving from one room to another is possible via attic, foundation structure, or even via outer wall.

INVESTMENT IN CLEANER HOME

The open-minded have already seen the outstanding benefits of the system. Installing a central vacuuming system is customary in new houses nowadays.

Manufacturing and marketing:

KP-TEKNO OY

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