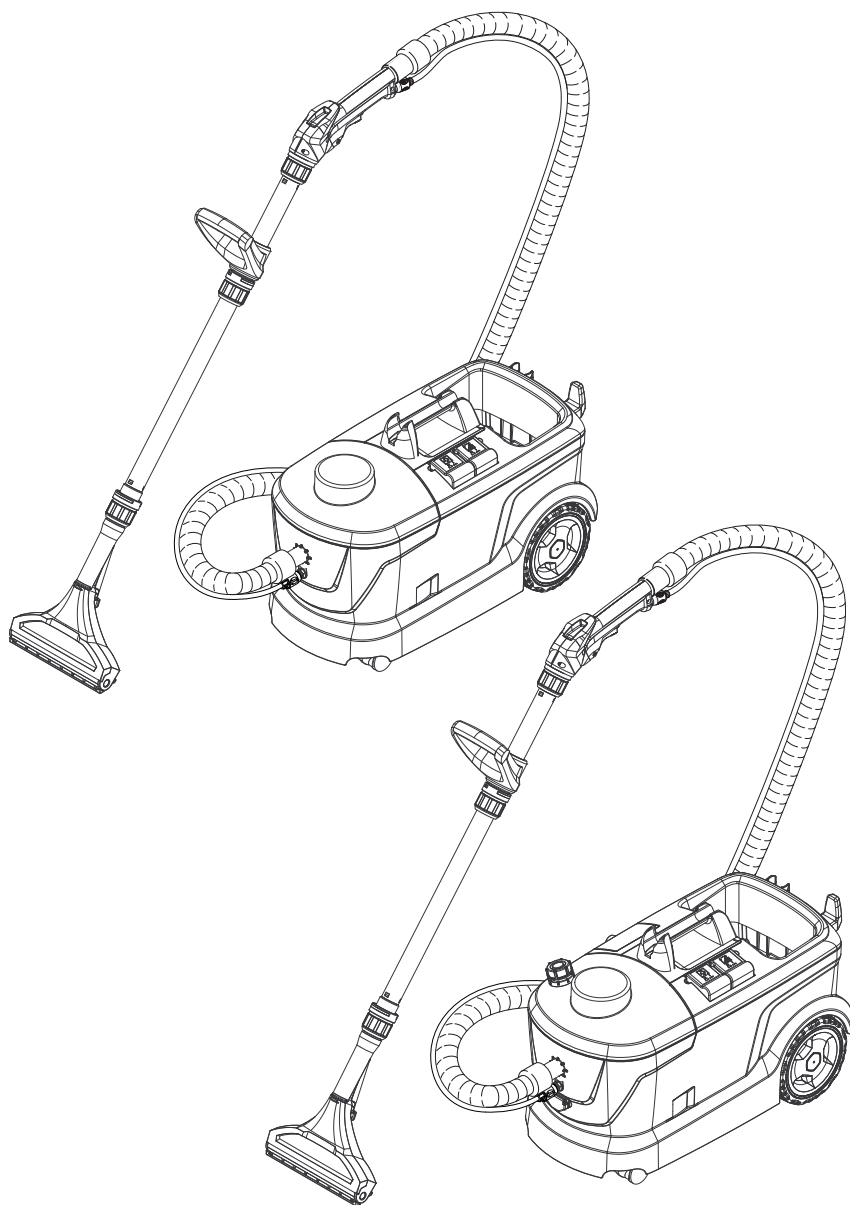


# Puzzi 10/1

## Puzzi 10/2 Adv



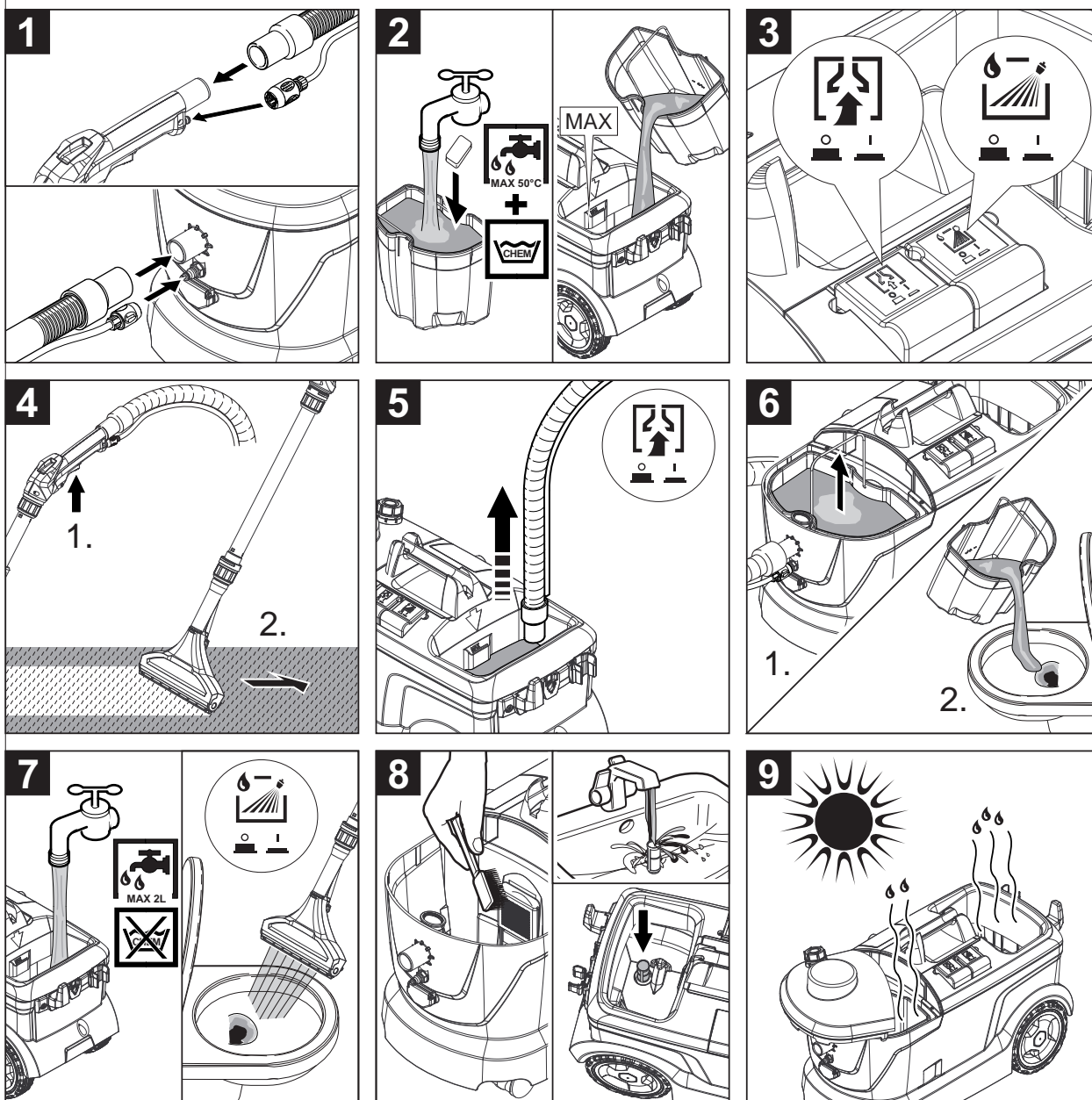
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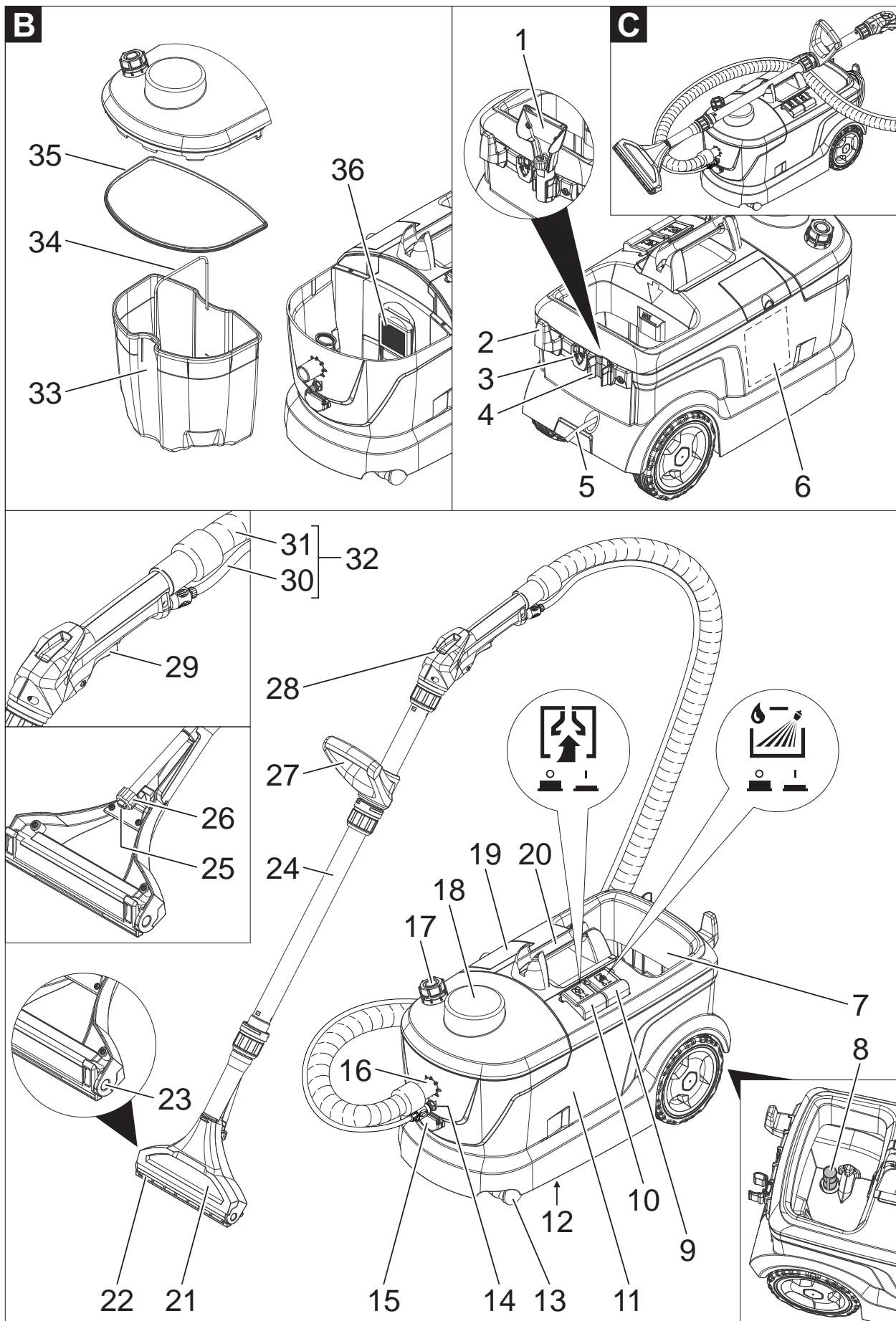
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[www.karcher.com/register-and-win](http://www.karcher.com/register-and-win)



59662790 01/14

# A







Please read and comply with these original instructions prior to the initial operation of your appliance and store them for later use or subsequent owners.

- Before initial start-up it is definitely necessary to read the safety information no. 5.956-251.0!
- The non-compliance of the operating and safety instructions may lead to damages of the appliance and to dangers for the operator and other persons.
- In case of transport damage inform vendor immediately

## Contents

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## Environmental protection



The packaging material can be recycled. Please do not throw the packaging material into household waste; please send it for recycling.



Old appliances contain valuable materials that can be recycled; these should be sent for recycling. Batteries, oil, and similar substances must not enter the environment. Please dispose of your old appliances using appropriate collection systems.

### Notes about the ingredients (REACH)

You will find current information about the ingredients at:

[www.kaercher.com/REACH](http://www.kaercher.com/REACH)

## Symbols in the operating instructions

### **Danger**

*Immediate danger that can cause severe injury or even death.*

### **Warning**

*Possible hazardous situation that could lead to severe injury or even death.*

### **Caution**

*Possible hazardous situation that could lead to mild injury to persons or damage to property.*

## Proper use

This device is intended for commercial use as a wet cleaning device for carpets as depicted in these operating instructions as well as in the descriptions and safety notes in the enclosed brochure "Safety indications for brush cleaning devices and spray extraction devices".

## Overview

### Quick start instructions

#### Illustration A

- 1 Connect spray/suction hose to the elbow,  
Connect spray/suction hose to the appliance
- 2 Prepare cleaning solution,  
Fill up the fresh water tank
- 3 Select operating mode
- 4 Cleaning
- 5 Empty the fresh water tank
- 6 Empty wastewater container
- 7 Fill fresh water tank (without detergent),  
Flush appliance
- 8 Clean lint trap,  
Clean fresh water sieve
- 9 Allow appliance to dry

### Device elements

#### Illustration B

- 1 Hand nozzle for upholstery cleaning (Puzzi 10/1 only)
- 2 Cable hook
- 3 Adapter for accessories (homebase)
- 4 Holder for accessories
- 5 Power cord
- 6 Quick start instructions
- 7 Fresh water tank
- 8 Fresh water sieve
- 9 Switch for spraying
- 10 Switch for vacuuming
- 11 Casing
- 12 Nameplate
- 13 Steering roller
- 14 Spray hose connection
- 15 Socket for additional brush washing head PW 30/1 (Puzzi 10/2 Adv only)
- 16 Suction hose connection
- 17 Container for defoaming agent (Puzzi 10/2 Adv only)
- 18 Cover
- 19 Storage compartment for detergent tabs (Puzzi 10/2 Adv only)
- 20 Carrying handle of the appliance
- 21 Floor nozzle for carpet cleaning
- 22 Carpet adapter

- 23 Unlocking device of the floor nozzle
- 24 Suction pipe
- 25 Nozzle mouth piece
- 26 Union joint
- 27 Handle
- 28 Bender
- 29 Lever on the manifold
- 30 Spray hose
- 31 Suction hose
- 32 Spray/suction hose
- 33 Dirt water reservoir, detachable
- 34 Carrying handle of the wastewater container
- 35 Seal on the lid
- 36 Fluff filter

## Start up

- ➔ Check high power cable, extension cables and hoses for damage every time before use.

### Attaching the Accessories

- ➔ Attach the suction pipe to the floor nozzle and hand-tighten the union nut on the floor nozzle.
- ➔ If required, slide the handle onto the suction pipe and hand-tighten it in the desired position.
- ➔ Place the elbow over the suction pipe and tighten the union joint on the elbow fingertight.
- ➔ Insert the suction hose into the suction hose connection on the appliance. Attach the coupling of the spray hose to the spray hose connection of the appliance and snap in place.
- ➔ Connect the suction hose to the elbow. Connect the coupling of the spray hose with the manifold and snap in place.

### Prepare cleaning solution

#### **Warning**

*Health risk, risk of damage. Observe all indications on the detergent used.*

- ➔ Mix fresh water and detergent in a clean container (use the concentration recommended for the detergent). Dissolve detergent in the water.



**Note:** Warm water (max. 50°C) will increase the cleaning effect. Verify the temperature resistance of the surface to be cleaned.

**Note:** For considerate treatment of the environment use detergent economically.

### Fill up fresh water reservoir

- Fill detergent solution into the fresh water reservoir. The fill level must not exceed the "MAX" mark.

### Defoaming agent

**Note:** When cleaning previously shampooed carpets, foam is generated in the wastewater container. This formation of foam can be prevented by adding a defoaming agent.

Puzzi 10/1 only:

- Put defoaming agent (optional accessory) into the wastewater container.

Puzzi 10/2 Adv only:

- Open container for defoaming agent.
- Fill in defoaming agent (optional accessory).

### Replacing the carpet adapter

- Push the unlocking device of the floor nozzle on one side.
- Swivel out and remove the carpet adapter.
- Insert a new carpet adapter and snap the locking device in place.

## Operation

### Working with attachments

Puzzi 10/2 Adv only:

**Note:** There is an additional socket to connect electrical accessory devices.

#### **Danger**

*Risk of injury and damage! The socket is only intended for the direct connection of the additional brush washing head PW 30/1 to the Puzzi 10/2 Adv. Any other use of the socket is not permitted.*

### Turning on the Appliance

- Plug in the main plug.
- Press the suction switch to turn on the suction turbine.
- Press the spray switch to switch on the spray pump.

### Cleaning

#### **Caution**

*Risk of damage. Check the object to be cleaned prior to using the appliance in an inconspicuous place for colour fastness and water resistance.*

- Operate the lever on the manifold in order to spray the cleaning solution.
- Run across the surface to be cleaned in overlapping paths. Pull the nozzle backwards (do not push).
- In case of work interruptions, the floor nozzle can be stored in the handle.

### Turn off the appliance

- Switch off the spray and suction switches.
- Pull out the mains plug.

### Empty wastewater container

- If the dirt water reservoir is full, switch off the suction and spray switches.
- Remove the lid.
- Remove the wastewater container from the appliance and drain it.

### Empty the fresh water reservoir

- Turn off the appliance.
- Shortly activate the lever on bender to decrease the pressure.
- Separate bender from the spray/suction hose.
- Insert the suction hose into the fresh water reservoir.
- Press the suction switch to turn on the suction turbine.
- Empty the fresh water reservoir and switch the appliance off.
- Remove the lid.
- Remove the wastewater container from the appliance and drain it.

### Flush appliance

- Connect the manifold (with suction pipe and nozzle) to the suction hose.
- Connect the coupling of the spray hose with the manifold and snap in place.
- Fill approx. 2 litres of fresh water into the fresh water reservoir.  
**Do not add any detergents.**
- Press the spray switch to switch on the spray pump.
- Hold floor nozzle over a drain.
- Activate lever on bender and flush the appliance for appr. 1 to 2 minutes.
- Turn off the appliance.

### After each operation

- Flush appliance.
- Empty the wastewater container and clean it under running water.
- Empty the fresh water reservoir.
- Clean the outside of the appliance with a damp cloth.
- Remove all water from the appliance prior to longer periods of non-use to avoid offensive odours.
- Allow appliance to dry thoroughly: Remove or move lid sideways.

### Storing the Appliance

- Place the appliance in a dry room and secure it from unauthorized use.

## Cleaning methods

### Normal soiling

- Spray and suction off detergent solution in one work cycle.

**Note:** Repeated suctioning without spraying will shorten the drying time.

### Strong soiling or stains

- Apply detergent solution with suction turbine turned off and soak for 10 to 15 minutes.
- Clean the surface just like with normal soiling.
- In order to further improve the cleaning result, the surface can be recleaned using clear, warm water.

### Upholstery cleaning

- Puzzi 10/1 only:  
Attach hand nozzle instead of the floor nozzle.
- With sensitive materials, use less detergent and spray the surface at a distance of approx. 200 mm. Then simply vacuum off.

### Cleaning tips

- Highly soiled spots should be pre-soaked and the detergent solution should soak 5 to 10 minutes.
- Always work from the light to the shade (from the window to the door).
- Always work from the cleaned to the uncleaned surface.
- The more sensitive the surface (oriental rugs, berbers, upholstery material) the lower the cleaning solution concentration should be.
- Rugs with jute backing can shrink if too much water is used and can bleed colours.
- Brush high-fiber rugs in the direction of the weave after cleaning (using a fiber brush or a scrubber).
- Water-proofing the fabric using Care Tex RM 762 after the wet cleaning prevents a quick resoiling of the textile surface.
- Do not step on cleaned surfaces until they have dried and do not place furniture on them to avoid pressure spots or rust stains.

## Detergent

|                                |               |
|--------------------------------|---------------|
| Carpet and upholstery cleaning | RM 760 powder |
|                                | RM 760 tabs   |
|                                | RM 764 liquid |
| Defoaming                      | RM 761        |
| Waterproofing carpets          | RM 762        |

For further information, please request product information sheet and EU safety data sheet of the relevant detergent.

## Transport

### Caution

*Risk of injury and damage! Observe the weight of the appliance when you transport it.*

Illustration 

- For transport, place suction pipe on the carrying handle and place the spray/suction hose on top of the appliance. Wind up the mains cable and hook it into the cable hook.
- When transporting in vehicles, secure the appliance according to the guidelines from slipping and tipping over.

## Storage

### Caution

*Risk of injury and damage! Note the weight of the appliance in case of storage. This appliance must only be stored in interior rooms.*

## Maintenance and care

### Danger

*Danger of injury by electric shock. First pull out the plug from the mains before carrying out any tasks on the machine.*

### Clean the fluff filter

- Remove the lid.
- Remove the wastewater container from the appliance.
- Regularly clean the lint trap using a brush.

## Cleaning the fresh water sieve

- Unscrew the fresh water sieve.
- Regularly clean the fresh water sieve under running water.

## Cleaning the nozzle

- Unscrew the covering nut.
- Clean nozzle mouthpiece.

## Troubleshooting

### Danger

- *Danger of injury by electric shock. First pull out the plug from the mains before carrying out any tasks on the machine.*
- *Get the electrical components checked and repaired only by authorised customer service persons.*

## Appliance is not working

- Check the receptacle and the fuse of the power supply.
- Check the power cable and the power plug of the device.
- Turn on the appliance.

## No water exiting from nozzle

- Fill up fresh water reservoir.
- Check the couplings on the spray hose for proper seating.
- Clean or replace nozzle tip.
- Clean the sieve in the fresh water reservoir.
- Spray pump defective, contact after-sales service.

## Spray stream one-sided

- Clean nozzle mouthpiece.

## Insufficient vacuum performance

- Check the correct positioning of the lid.
- Clean seal on lid and surface on the appliance.
- Clean the fluff filter.
- Check suction hose for blockages; clean if required.



### Spray pump loud

- Fill up fresh water reservoir.

### Heavy formation of foam in the wastewater container

- Add the defoaming agent into the wastewater container or fill up the container for the defoaming agent.

### Customer Service

**If malfunction can not be fixed, the device must be checked by customer service.**

### Accessories and Spare Parts

- Only use accessories and spare parts which have been approved by the manufacturer. The exclusive use of original accessories and original spare parts ensures that the appliance can be operated safely and trouble free.
- At the end of the operating instructions you will find a selected list of spare parts that are often required.
- For additional information about spare parts, please go to the Service section at [www.kaercher.com](http://www.kaercher.com).

### Warranty

The warranty terms published by the relevant sales company are applicable in each country. We will repair potential failures of your appliance within the warranty period free of charge, provided that such failure is caused by faulty material or defects in manufacturing. In the event of a warranty claim please contact your dealer or the nearest authorized Customer Service centre. Please submit the proof of purchase.

### EC Declaration of Conformity

We hereby declare that the machine described below complies with the relevant basic safety and health requirements of the EU Directives, both in its basic design and construction as well as in the version put into circulation by us. This declaration shall cease to be valid if the machine is modified without our prior approval.

**Product:** Spray extraction device

**Type:** 1.100-xxx

**Type:** 1.193-xxx

#### Relevant EU Directives

2006/42/EC (+2009/127/EC)

2004/108/EC

2011/65/EU

#### Applied harmonized standards

EN 55014-1: 2006+A1: 2009+A2: 2011

EN 55014-2: 1997+A1: 2001+A2: 2008

EN 60335-1

EN 60335-2-68

EN 61000-3-2: 2006+A1: 2009+A2: 2009

EN 61000-3-3: 2008

EN 62233: 2008

EN 50581

#### Applied national standards


-

**5.957-534**

The undersigned act on behalf and under the power of attorney of the company management.



H. Jenner  
CEO




S. Reiser  
Head of Approval

Authorised Documentation Representative  
S. Reiser

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Winnenden, 2013/12/01

## Technical specifications


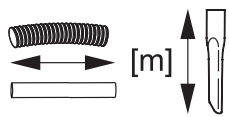

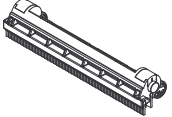
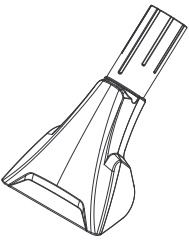
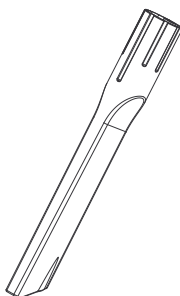
|   |   | Puzzi 10/1      | Puzzi 10/2 Adv  |
|---|---|-----------------|-----------------|
| Mains voltage                               | V   | EU: 220-240     | EU: 220-240     |
|   | V   | GB: 230-240     | GB: 230-240     |
|   | V   | AU: 240         | AU: 240         |
|   | V   | AR: 220         | AR: 220         |
| Frequency                                   | Hz  | 1~ 50/60        | 1~ 50/60        |
| Type of protection                          | --  | IPX4            | IPX4            |
| Protective class                            |  | II              | II              |
| Nominal performance of blower motor         | W   | 1100            | 1100            |
| Power (tot.)                                | W   | --              | 1350            |
| Air volume (max.)                           | l/s   | 54              | 54              |
| Negative pressure (max.)                    | kPa (mbar)  | 22 (220)        | 22 (220)        |
| Spray pump performance                      | W   | 40              | 80              |
| Spray pressure                              | MPa   | 0,1             | 0,2             |
| Spray pressure (max.)                       | MPa   | 0,3             | 0,3             |
| Spray volume                                | l/min   | 1               | 2               |
| Temperature of the cleaning solution (max.) | °C  | 50              | 50              |
| Filling quantity of fresh water             | l   | 10              | 10              |
| Fill volume wastewater                      | l   | 9               | 9               |
| Appliance socket performance (max)          | W   | --              | 250             |
| Length x width x height                     | mm  | 705 x 320 x 435 | 705 x 320 x 435 |
| Typical operating weight                    | kg  | 10,7            | 11,4            |
| Max. ambient temperature                    | °C  | +40             | +40             |

### Values determined to EN 60335-2-68


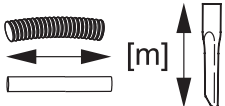

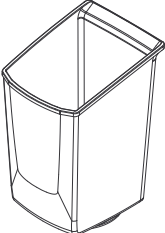



|                               |                  |        |        |
|-------------------------------|------------------|--------|--------|
| Sound pressure level $L_{pA}$ | dB(A)            | EU: 74 | EU: 74 |
|                               | dB(A)            | GB: 76 | GB: 76 |
| Uncertainty $K_{pA}$          | dB(A)            | 1      | 1      |
| Hand-arm vibration value      | m/s <sup>2</sup> | <2,5   | <2,5   |
| Uncertainty K                 | m/s <sup>2</sup> | 0,2    | 0,2    |

|                   |                               |              |
|-------------------|-------------------------------|--------------|
| <b>Power cord</b> | H05VV-F 2x1,0 mm <sup>2</sup> |              |
|                   | Part no.:                     | Cable length |
| EU                | 6.650-363.0                   | 7.5 m        |
| GB                | 6.650-380.0                   | 7.5 m        |
| AU                | 6.650-385.0                   | 7.5 m        |
| AR                | 6.650-382.0                   | 7.5 m        |

## Zubehör / Accessories / Accessoires

|   |                             | $\varnothing$<br>[mm] |  |  |
|---|--|-----------------------|--|---|
|    | 4.762-014.0<br><br>Hartflächen-<br>adapter,<br>hard surface<br>adapter,<br>adaptateur pour<br>surface rigide |                       |  | 240   |
|    | 4.130-001.0 *  | DN 32                 |  | 110   |
|  | 4.130-010.0  | DN 32                 | 0,25   |   |

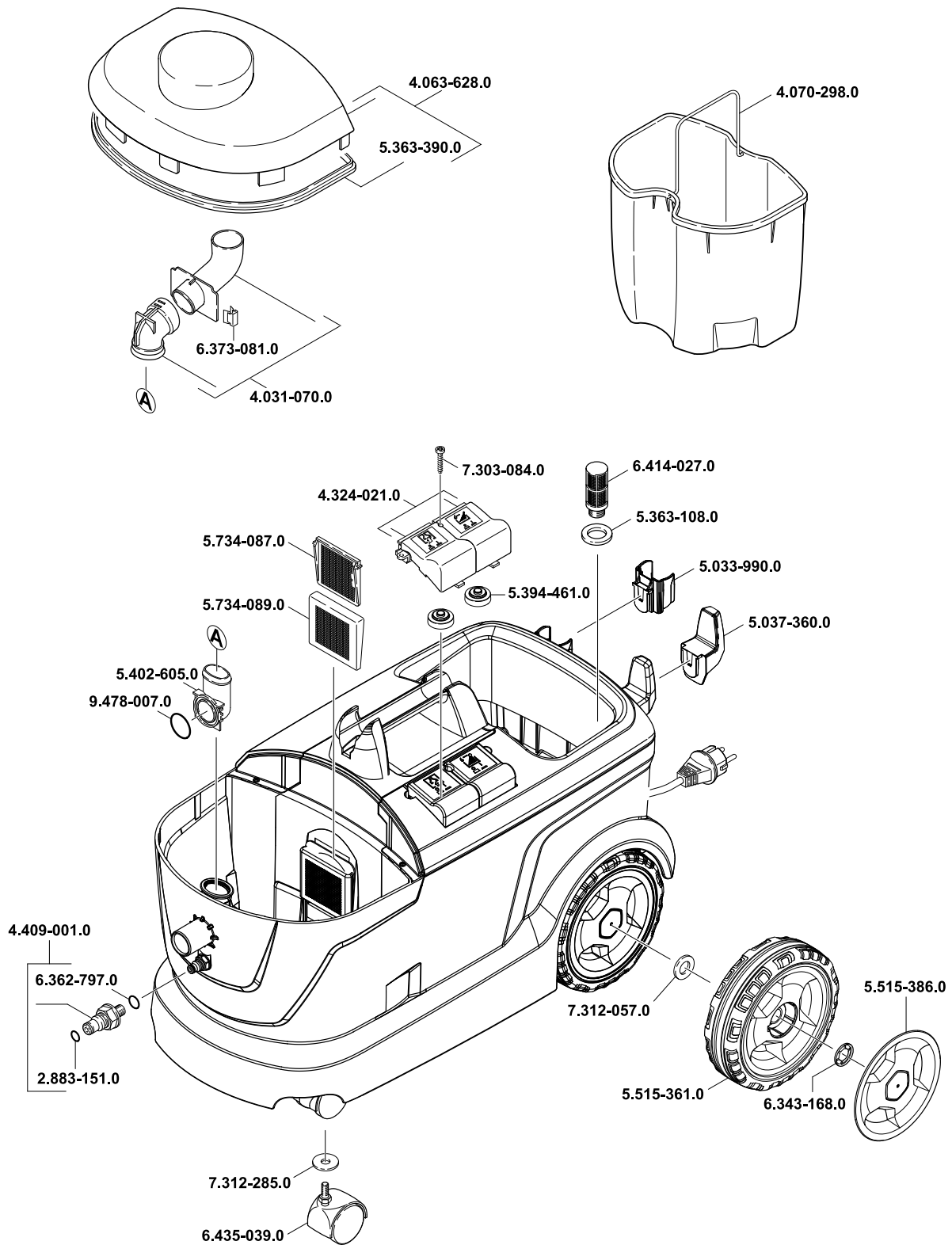
## Zubehör / Accessories / Accessoires

|  |                                        | $\emptyset$<br>[mm] |  |  |
|--|---|---------------------|--|---|
|   | 5.070-010.0<br><br>Behälter für<br>Reinigungs-<br>mittel,<br>container for<br>detergent,<br>réservoir pour<br>détergent |                     |  |   |
|   | 6.980-078.0   | DN 20-26            |  |   |
|   | 6.980-077.0   |                     |  |   |
|  | 6.980-080.0   |                     |  |   |

DN = Konus-Verbindung, cone connection, connexion de cône

\* = nur Puzzi 10/2 Adv, Puzzi 10/2 Adv only, uniquement Puzzi 10/2 Adv

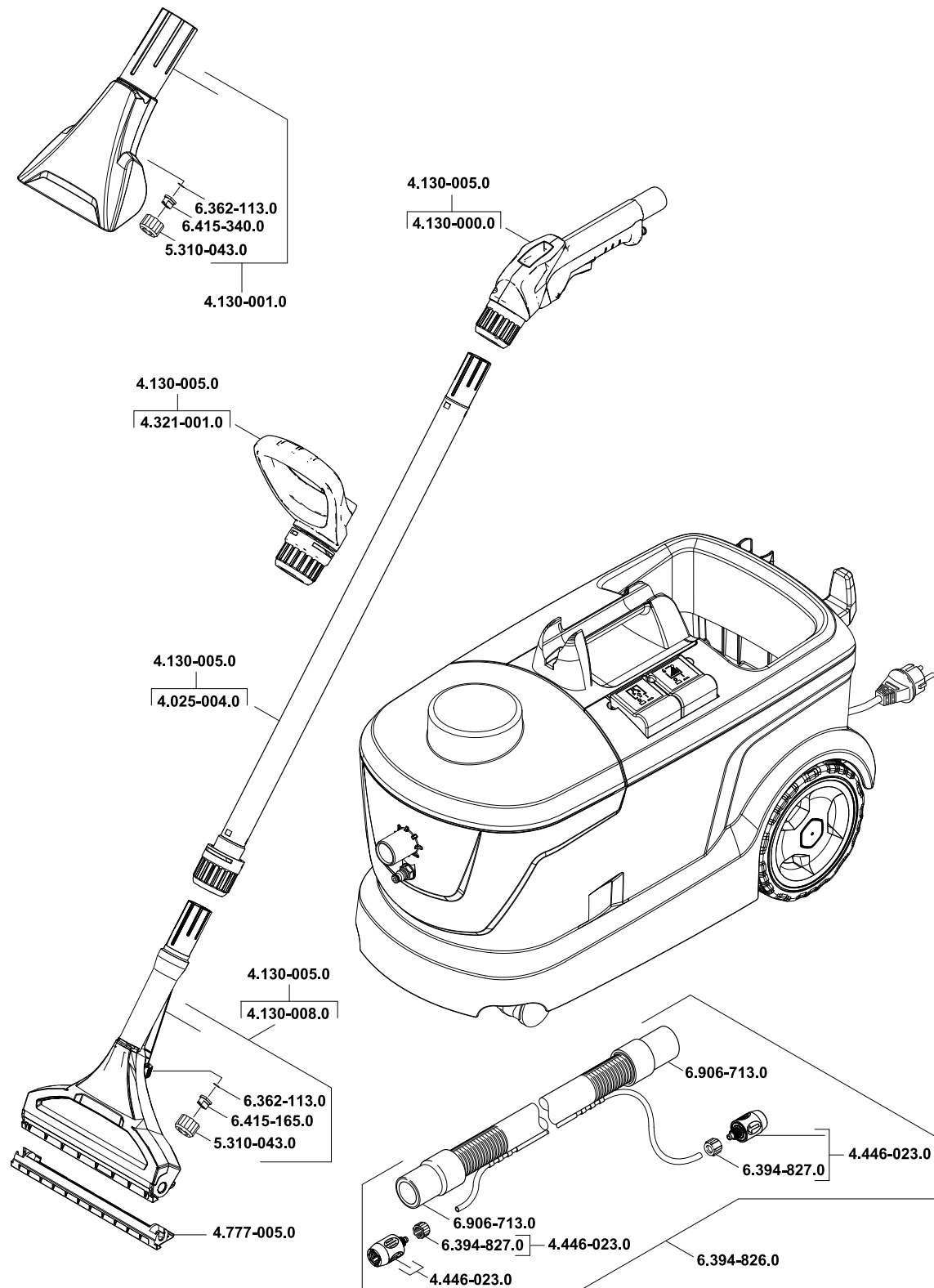
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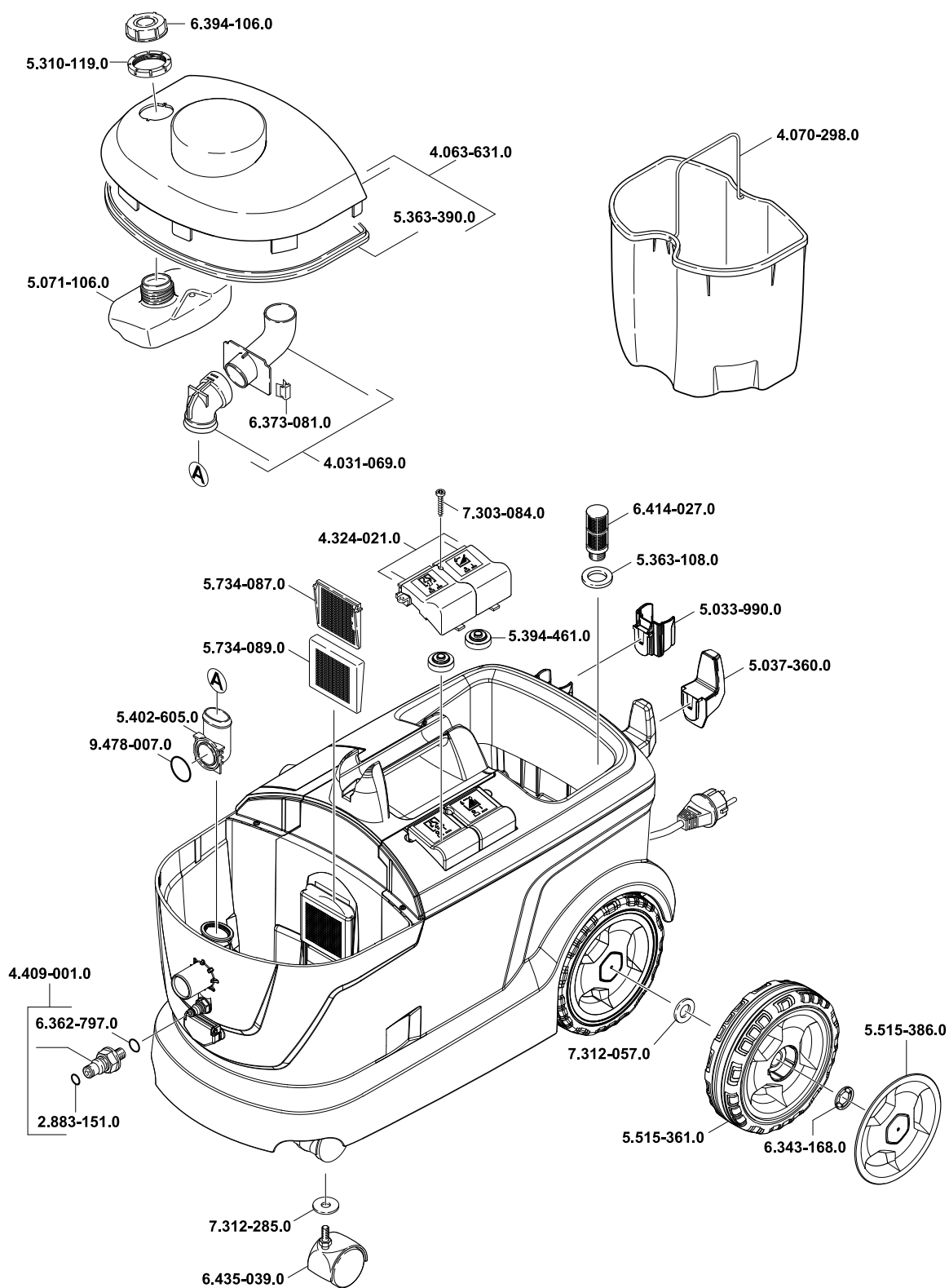
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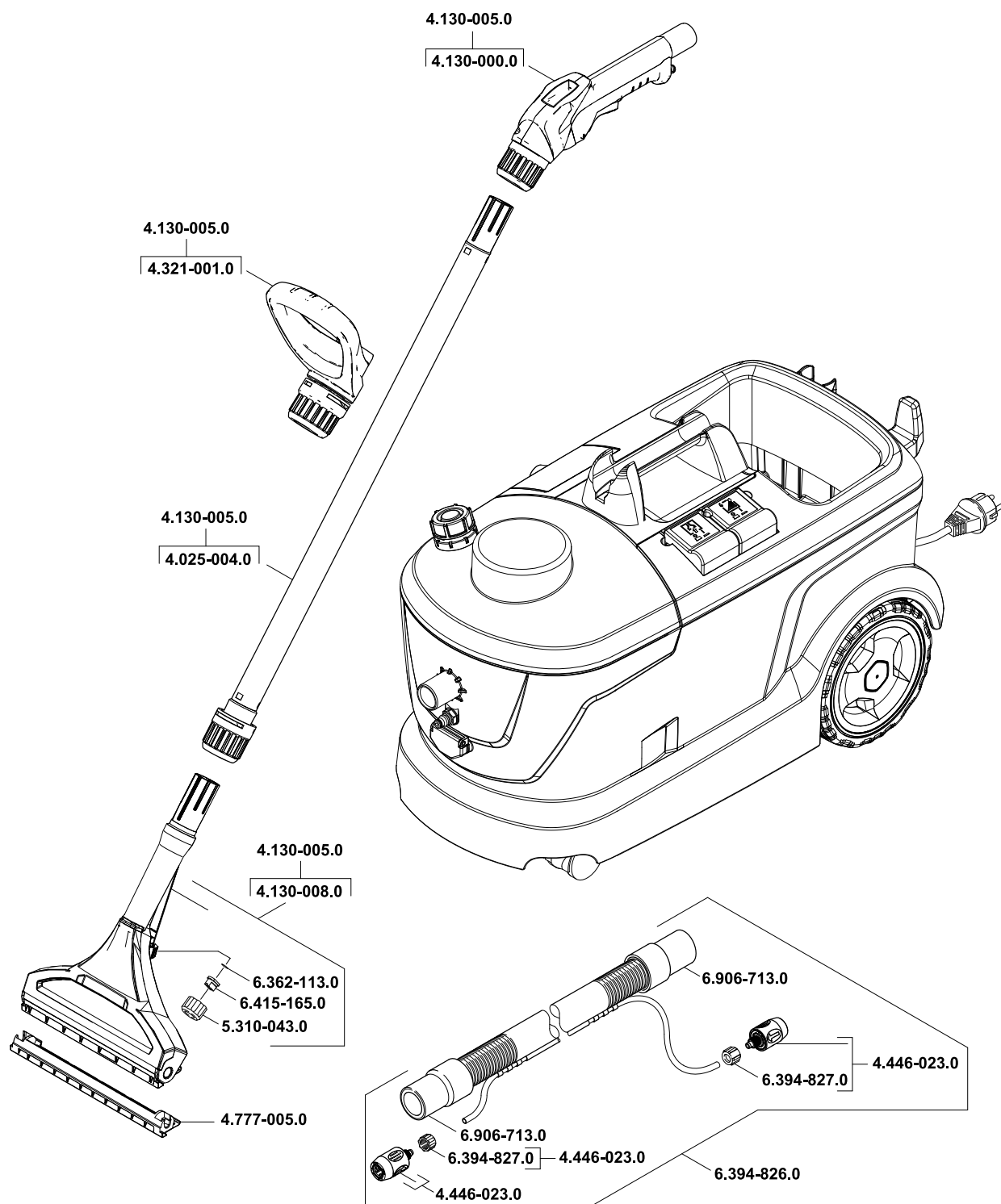
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27.01.2014 5.966-279.0



31.01.2014 5.966-279.0



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