



USER MANUAL

V. BRØNDUM A/S
A080.0169



RONDA® C120

Adapter for 120 Litres Container

IMPORTANT!

Read this manual before you start using the machine.

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General Description of RONDA® C120 Adapter for large tasks.

Congratulations on your new RONDA® C120 from V.BRØNDUM A/S.

RONDA® C120 is an adapter developed for the collection of large quantities of large materials and dust. Suitable for large cleaning tasks where the materials can be disposed of in a refuse collection container.



Figure 1

RONDA® C120 is supplied with: (Figure 2)

- Motor top
- Filter
- Adapter

The container is to be bought separately.



Figure 2

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Technical Data

Motor top:

RONDA® C120		
Subject	Unit	C120
Tension	V	230~
Frequency	Hz	50-60
Suction capacity, max.	mmWc	2400
Suction quantity, max.	m ³ /h	216
Suction power, max.	W	353
Recommended for fuse	A	10-16
Noise level @ 1m	dB(A)	68
Collection container	Type	120 L acc. to EN840-1:2004
Collection capacity	L	Approx.90
Protection class		I
Protection	IP	IPX4
Mains cable type		H07 RN F3G1,5
Weight	kg	Depends on the container

NOTE:

Container: RONDA® C120 fits most of the movable containers manufactured according to EN840-1: 2004

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Viewing angle: Front side

Figure 3

The RONDA® C120 adapter is intended to be mounted on a standard 120 litres refuse collection container (EN840-1:2004).

Place RONDA® C120 as shown on figure 3.
(If you look at the container from in front, opposite the wheels and the hinge of the lid, the suction coupling must turn to the left).

Counterweight has been mounted on the inside of RONDA® C120 in order to secure stability according to EN60335-2-69/A1:2005. This counterweight must **not** be removed.



Figure 4

RONDA® C120 is supplied with a polyester filter 84.67.1035 for the filtration of dry dust. And also a motor top type 81.72.1202



Figure 6



Figure 5

Can also be supplied with a wet filter type 84.67.4035 (Figure 5)



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Applications



Figure 7

RONDA® C120 is **not** approved for and must **not** be used for collection of flammable, explosive, poisonous or other dust, fluids or gasses that are extremely hazardous to health.

RONDA® C120 may **only** be used in dry environments and may not be used or stored outdoors or indoors under moist or wet conditions.

The **user has the responsibility** for tight closing of the refuse collection container during transport or the like.

RONDA® C120 must **not** be used for "process suction" where there is a continuous dust load.

RONDA® C120 **may** be used for collection of fluids or moist dust

- Dry dust (with polyester filter 84.67.1035 mounted)
- Fluid or moist dust (with wet filter 84.67.4035)

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Safety Precautions

- The machine is not approved for and must not be used for collection of flammable, explosive, poisonous or other dust, fluids or gasses that are extremely hazardous to health.
- The user must ensure that the appliance is adjusted to the task and that regulatory requirements are met.
- Avoid damaging the supply cord. When replacing the supply cord, only use an original supply cord (see the spare parts list). V. BRØNDUM A/S, an authorized V. BRØNDUM A/S dealer or an equally qualified person must carry out the replacement in order to avoid danger. Regularly check the mains connection for damage, such as fissures or ageing. If damage is found, the supply cord must be replaced before further use.
- It is recommended that the machine is connected to the mains voltage, in an installation with HFI or HPFI which will cut off if the fault current exceeds 30mA for more than 30mS.
- The plug must be removed from the power supply before repair and maintenance operations – also cleaning.
- Connect to 230 V power supply. Make sure that the voltage and safety fuse of the power supply correspond with the data of the data plate and the technical data of the motor top mounted.
- Before use operators should be provided with information, instruction and training as to the use of the appliance.
- The operator should be provided with information about the handling of the substances for which the appliance is to be used, including the safe method of removal and disposal of the material collected.
- For user servicing, the appliance must be dismantled, cleaned and serviced, as far as is reasonably practicable, without causing risk to the maintenance staff and others. Suitable precautions include decontamination before dismantling, provision for local filtered exhaust ventilation where the appliance is dismantled, cleaning of the maintenance area and suitable personal protection
- When carrying out service or repair operations, all contaminated items, which cannot be satisfactorily cleaned, are to be disposed of. Such items shall be disposed of in impervious bags in accordance with any current regulation of the disposal of such waste.
- The upper part of the motor top is a non-dust proof compartment, and when cleaning, the covers of this compartment are removed by loosening the screws fixing the covers.



If extension cord is used, the cross section of the cord must be at least:

Length of cord in metres	Cross section	
	<16A	<25A
Up to 20 m	Ø1.5mm ²	Ø2.5mm ²
20-50 m	Ø2.5mm ²	Ø4.0mm ²

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Guidelines in Connection with Disposal of the Machine



The product you have purchased is subject to Directive 2002/96/EC of the European Parliament and the Council of the European Union on waste electrical and electronic equipment (WEEE) and should not be disposed of as unsorted municipal waste. Please utilize your local WEEE collection facilities in the disposition of this product and otherwise observe all applicable national requirements.

Does the safe use or maintenance of the appliance raise any questions; do not hesitate to contact either your dealer or V. BRØNDUM A/S.

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Mode of Operation



Figure 8

When the suction motor of the machine is on, the air will be led through the machine and will collect the dust particles near the nozzle mounted.



The dust particles will - by means of the high air velocity - be sucked into the collection container, where the particles will be held back by the filter. The heavy particles will quickly calm down in the collection container.

The air flow and the very fine particles, which have not fallen to the bottom of the collection container, will be carried forward to the filter.

The purified air flow will continue through the suction motor and be led out through the exhaust and noise reduction filters in the motor top.



Figure 9

Finally the air flow will leave the machine under the yellow motor top.

IMPORTANT!

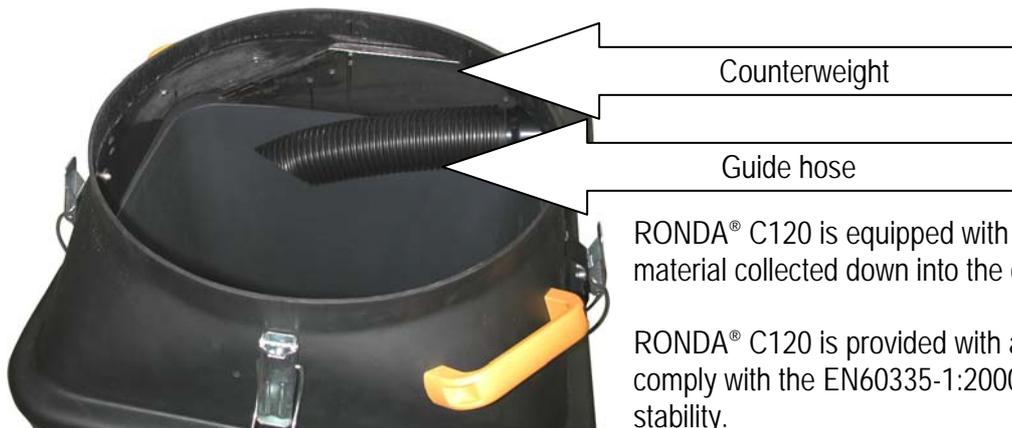
Never cover the motor top when the machine is in use. If the air flow from the suction motor cannot leave the machine there will be a risk of superheating or damaging the motor top.

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Assembling

- Unpack the machine and check that all the parts ordered are there.
- Fasten the rubber coupling of the suction hose to the nozzle wanted or the pipe and the floor nozzle, and mount the other end of the hose in the coupling of the container.
- Check that the collection container is empty, and that the filter has been correctly placed in the collection container. Check that the filters of the machine are intact and undamaged (see the chapter about filters page 13).
- Before the plug is connected to the electrical main supply you must make sure that the plug and the cord are undamaged. If the cord or the plug is damaged, a professional must replace the parts.
- Connect the machine to 230V power supply.

Now the machine can be used. The collection is described in the following chapter.



RONDA® C120 is equipped with a guide hose to guide the material collected down into the container.

RONDA® C120 is provided with a counterweight in order to comply with the EN60335-1:2000 standard concerning stability.

Figure 10

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Collection and Emptying with Refuse Collection Container

The material is collected directly into the refuse collection container. Depending on the type of dust/material to be collected the machine has to stand on a flat surface when the refuse collection container is removed. If the machine has been used immediately before the emptying, it is recommended to wait a few minutes so that the fine dust can fall to the bottom of the refuse collection container. RONDA® C120 is moved to an empty refuse collection container, and the filled refuse collection container can be disposed of.

IMPORTANT!
The machine must not be connected to the power supply during service and cleaning.

Cleaning and Maintenance

Always empty the machine after use. If the machine is left with dust, there is a risk of self-ignition.

Read the chapter about safety precautions (page 8) before cleaning and maintenance.

The easiest way to clean the machine is as follows:

- Vacuum the machine on the outside, if necessary.
- Wipe the machine on the outside with a dry or damp cloth.

The below schedule is intended as a guide for the maintenance of RONDA® C120

Subject	Before use	After use	As needed	800 hours
Change of filter element			X	
Check of brushes				X
Emptying of container		X		
Check of cord	X			
Check of filter	X			

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Maintenance of the Motor Top

The motor top is made of maintenance-free parts and needs therefore no daily maintenance, apart from external cleaning and check that the cords and plugs are undamaged.

The easiest way to clean the motor top is with a damp cloth. Do not aim jets of water directly at the motor top.

In order to avoid stop in operation it is recommended that the electrical parts are inspected annually by an authorized technician.

It is recommended to have an authorized service centre inspect the brushes of the suction motor after approx. 800 working hours, and if necessary, replace them. In this way the life of the suction motor is prolonged.

Change of Filters

In general

When replacing the filters, the necessary precautions to protect the environment and the respiratory passages of the operator must be taken. The nature and scope of these precautions must be based upon the task and the type of dust or sludge being on the surface of the filters.

Check and Replacement of Filter (Item No. 84.67.1035 / 84.67.4035)

The filter bag is made of a robust filter material, but the filter will gradually be worn by the many large and small particles that are held back. Therefore it is necessary regularly to check if the filter bag is undamaged and intact. If the filter material is not intact, the filter bag will not be able to hold back the dust particles.

- Loosen the container clips of the motor top and remove the motor top.
- Place the motor top on a dry, clean and flat surface.
- Check the top surface of the filter bag and the bottom surface of the motor top for dust particles. If you can see dust particles there, it might be a sign of a damaged and worn filter material.

A damaged or worn filter bag must be replaced.

Disposal of Used Filters

When you dispose of the used filters you must make sure that this is done according to the national regulations.

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Troubleshooting

If the machine does not collect the material in a satisfactory way

- Suction hose, tube or nozzle may be blocked.
Stop the machine and remove the blocking.
- The collection container may be filled to overflowing.
Stop the machine and empty the container.
- A leak might have arisen in connection with the mounting of the motor top or the collection container.
Start the machine and block the suction hose. Normally you can hear a leak. Loosen the container clips of the motor top or the collection container, place the motor top or the collection container correctly, and lock the clips again.
- The filter bag may be blocked.
Check the filter bag and clean the filter bag, if necessary.

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Standard Accessories RONDA® C120

RONDA® C120 is supplied with a complete set of accessories including tubes, hose and all the necessary nozzles.



You can reorder the accessories using the following item numbers:

1. 40 mm professional's set.....	80.33.4017
2. Plastic hose, 4 m	84.54.3809
3. Crevice nozzle.....	80.34.4000
4. Adapter for 36 mm upholstery nozzle	80.34.4002
5. Upholstery nozzle	80.34.3604
6. Round brush.....	80.34.4001
7. Floor nozzle B-370	84.38.3620
8. Tube, two straight tubes and a curved one.....	80.52.2160