

Safety instructions

Read the following safety instructions Before operating the machine. Keep the User Guide. Failure to comply with the safety instructions voids the warranty and may result in personal injury and damage to the machine. Dustcontrol is not responsible for damage to the equipment caused by improper installation or improper operation of the equipment.

Warning

This machine is intended for professional use.

Only use accessories and replacement parts included in the Dustcontrol product line.



WARNING

Before use, you must receive training as well as information and instructions on how to handle the dust extractor and the dust to be extracted.



WARNING

Use the machine for its intended purpose. Follow the instructions for the material to be extracted.



WARNING

When using electrical devices, basic safety instructions must be followed to reduce the risk of fire, electric shock or personal injury.



WARNING

This machine is only intended for extraction of dry material.



WARNING

If incorrect or non-OEM parts are used (especially filters, hoses and plastic bags), the machine can leak hazardous dust which may result in personal injury.

Work area environment

Do not expose the machine to moisture. Do not use it in damp or wet areas or close to flammable liquids or gases.



CAUTION

This machine must only be used and stored in a dry environment.



CAUTION

Do not rinse the machine with water.

Only use accessories approved by the manufacturer for use in Zone 22. The use of other accessories may cause an explosion. Only suction accessories in antistatic material or metal may be used.

Overload

Never let the machine work fully throttled, as this poses a risk of overheating.

Bodily injuries



CAUTION

Never try to change electrical connections yourself. An error can be fatal!

Never allow the extraction point to make contact with any part of the body. The strong negative pressure can damage blood vessels in the skin.

Power cord

Never pull the machine by the power cord. Keep the power cord away from heat and sharp objects. Regularly inspect the power cord.

The machine must not be used if the power cords or contacts are damaged.

If the power cord is damaged, it must be replaced by Dustcontrol or a Dustcontrol authorized service center.

Important safety precaution

Care and maintenance

Keep the machine clean and free from dust deposits. Ensure that the suction hose and all seals are intact and undamaged. Keep the carrying handles dry and free from oil and grease.

Inspection

Regularly check the device for damage and wear. Any damage must be rectified by a Dustcontrol authorized service center.

Functional description

The dust extractor uses negative pressure (suction) to force the air through a suction cover/nozzle, hose system, pre-separator and dust separator. Coarse separation is carried out in the machine's cyclone, providing very effective separation of any coarse dust. Fine dust is separated in the units filter. Reverse-pulse filter cleaning ensures extended filter life. The machine is fitted with a HEPA filter.

DC Tromb 400 is used for spot extraction (with maximum throttling Ø 15 mm) in many contexts e.g. when grinding, welding, personal clean-up and cleaning. The DC Tromb 400 is powered by two 1-phase, 2-stage fans.



The dust extractor has the following discharge options:

c – Plastic bag: The extracted and separated material is collected in a plastic bag that can be detached in one simple operation. The material can easily be recycled or disposed of.

a - Container: A cylindrical container for collection of separated material.

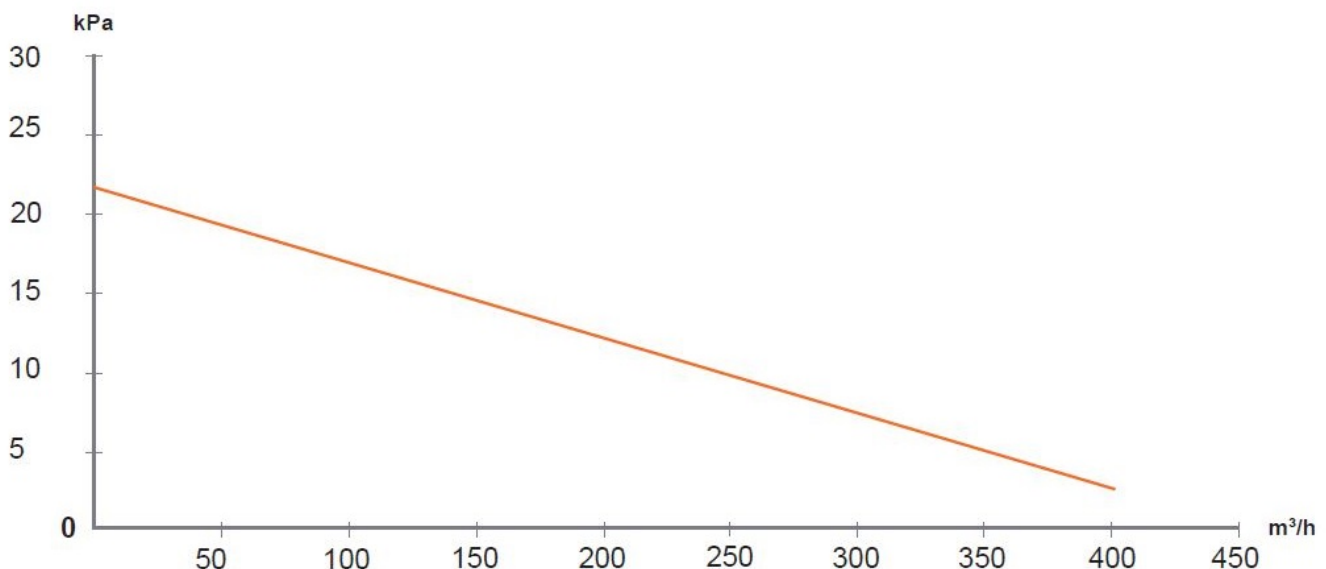
L – Longopac: The machine is equipped with a flexible bag system, in which the dust is collected in a closed system.

Technical data

	DC Tromb 400c	DC Tromb 400a	DC Tromb 400L
HxWxL [mm]	1390 x 560 x 700	1390 x 560 x 700	1390 x 560 x 700
Weight [kg]	46	50	48
Inlet [mm]	Ø76	Ø76	Ø76

	DC Tromb 400c	DC Tromb 400a	DC Tromb 400L
Hose length Ø 50 [m]	5	5	5
Collecting container [l]	20	40	longopac
Flow max, open inlet [m ³ /h]	393	393	393
Flow max fan [m ³ /h]	420	420	420
Negative pressure, max. [kPa]	22	22	22
Power rating [W]	3000	3000	3000
Fine filter, polyester, area [m ²]	2,5	2,5	2,5
Efficiency, fine filter, EN 60335-2-69, Class M [%]	99,9	99,9	99,9
Filter area, HEPA filter [m ²]	2,2	2,2	2,2
Efficiency, fine filter, EN 60335-2-69, Class H [%]	99,995	99,995	99,995
Filter classification, EN 1822-1	HEPA H13	HEPA H13	HEPA H13
Sound level [dB(A)]	70	70	70

Technical Data UK/USA/CAN	DC Tromb 400c	DC Tromb 400a	DC Tromb 400L
HxWxD [in]	55 x 22 x 27	55 x 22 x 27	55 x 22 x 27
Weight [lb]	101	110	106
Inlet [in]	3	3	3
Hose length Ø 50 [ft]	16,4	16,4	16,4
Collecting container [l]	20	40	longopac
Flow max, open inlet, UK [m ³ /h]/[ft ³ /m]	330/194	330/194	330/194
Flow max, open Inlet, USA/CAN [m ³ /h]/[ft ³ /m]	320/188	320/188	320/188
Flow Max fan, UK, USA, CAN [m ³ /h]/[ft ³ /m]	360/212	360/212	360/212
Negative pressure max, UK [kPa]	21	21	21
Negative pressure max, USA/CAN [kPa]	20	20	20
Power consumption, UK [W]	2680	2680	2680
Power consumption, USA, CAN [W]	2100	2100	2100
Fine filter, polyester, area [ft ²]	27	27	27
Efficiency, fine filter, EN 60335-2-69, Class M [%]	99,9	99,9	99,9
Filter surface, microfilter [ft ²]	23,7	23,7	23,7
Efficiency, fine filter, EN 60335-2-69, Class H [%]	99,995	99,995	99,995
Filter classification, EN 1822-1	HEPA H13	HEPA H13	HEPA H13
Sound level [dB(A)]	70	70	70



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Operation

Connection

Connect the machine to an electrical outlet with a voltage as per the machine's rating plate specifications. If using an extension cord, it must be water-resistant.



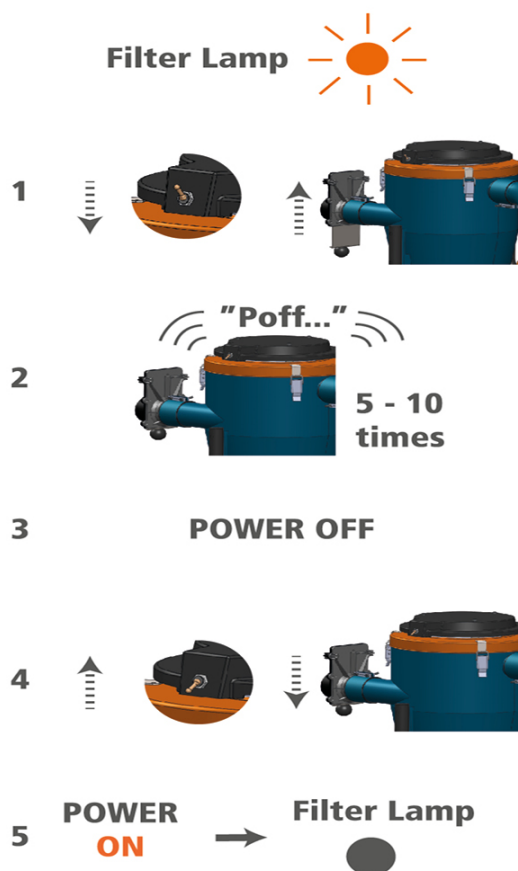
CAUTION

[sv] Behållaren hålls på plats med fästen vilket betyder att en klämma måste placeras på maskinens jordfläta. Detta säkerställs genom inriktning av de röda motstående pilmarkeringarna.

Filter cleaning

The machine has a filter status indicator that lights up when the filter needs to be cleaned or replaced. The filters must be cleaned 1-2 times a day with continuous use .

1. Keep the machine switched on and close the throttle at the cyclone inlet. Reset the filter cleaner button.
2. Wait for 5-10 pulses.
3. Switch off the machine.
4. Open the throttle at the cyclone inlet and reset the filter cleaner button.
5. Switch on the machine.
6. Check that the pressure gauge indicates green or that the filter indication lamp is off. If not, repeat the procedure. If the gauge indicates red or the light is on even after repetition, the fine filter needs to be replaced. If it, despite the filter change, still indicates red, the vacuum valve must be checked.



Emptying

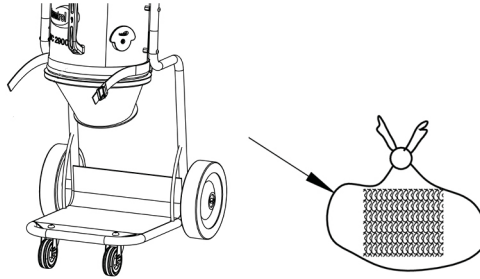
a – Container

The container underneath the cyclone should be emptied when about 2/3 full.

c – Plastic bag

You must clean the filters before replacing the plastic bag. It should be replaced when the dust level is about 5 cm below the discharge flap.

Dust-free bag change



The machine should be switched for the duration of the bag change. Remove the bag. The bag must be sealed as soon as it is removed from the machine. Only use Dustcontrol's original bags.

Fit the new bag. Use the strap for dust-free work. Use the hooks for simple suspension of the bag.

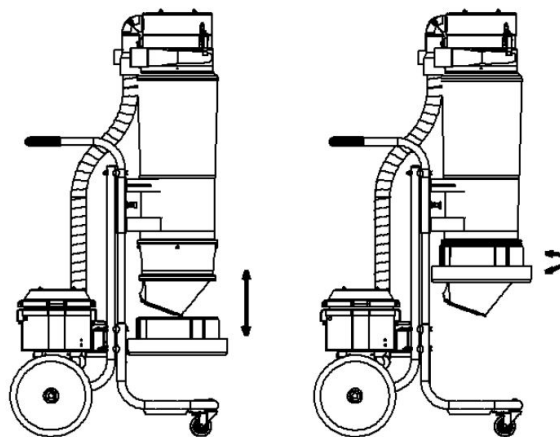
Clean the filter and use the dust extractor.

L – Longopac

Close the bag using the supplied cable ties when you believe that it has been filled to a suitable level. Another cable tie is used a little further up. This forms the bottom of the next bag. The filled bag is then cut off, and the machine is ready to be used again.

Changing the bag magazine

1. Rotate the holder to the position in which it can be pulled down.
2. Insert a bag magazine into the holder and refit it.
3. Cut the four tapes that hold the bag magazine together and pull the inner end of the bag upwards over the rubber strip. Then secure the bag with the strap. Pull the outer end over the holder, and tie a cable tie in place as a bottom closure.



Service/Maintenance

Cleaning

The machine must be switched off and unplugged before cleaning and maintenance.

Filter replacement

The fine filter must be replaced at least once a year. Only OEM filters may be used. HEPA filters must be replaced after 300 hours.



WARNING

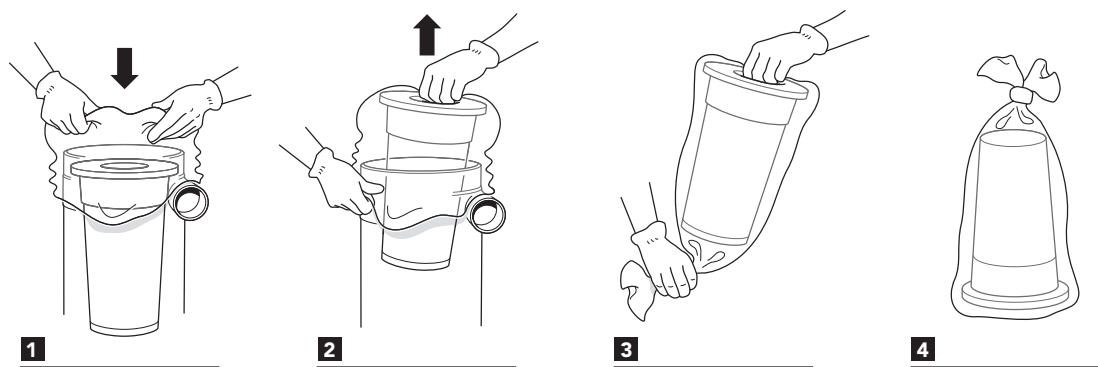
Filter replacement may only be performed by trained personnel. Use a protective mask and suitable equipment.



CAUTION

When replacing the filter, no tools/sharp objects can be used as these may damage the sealing surface of the filter.

Release and lift off the upper part for free access to the filter. Lift the filter straight up. If appropriate, fit a plastic bag over the cyclone to prevent the dust in the filter from spreading. Check the gasket when replacing the filter. A worn gasket can allow hazardous dust to escape. Never use old gaskets or non-OEM parts. Place used filters in a plastic bag and seal the bag. See instructions below.

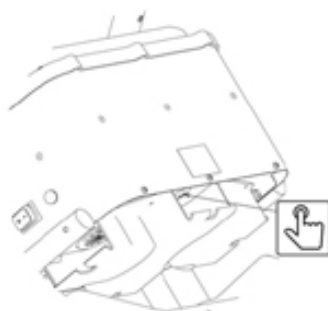


Motor

The typical service life of a fan motor's original brushes is 600-700 hours. The brush can be replaced. The service life of the second brush set is approx. 400 hours, while that of the third set is approx. 300 hours. After this time, the motor is considered worn out and should be replaced.

Overheating

If the machine is at risk of overheating (for example, as a result of powerful throttling), the temperature guard will trip and the machine will stop. The operator must then press the power switch to the OFF position, unplug from the mains and wait 3-5 minutes for the machine to cool down. Then reset the temperature guard by pressing the RESET button. Reconnect the power cord to the electrical outlet and restart the machine by pressing the power switch to the ON position.



Regular checks

Regularly check the power cord for damage.

The machine must be tested and inspected at least once a year due to its use with hazardous materials. Worn parts must be replaced. Never risk functionality and service life. Only use genuine parts.

Consumables

Description	Part No.
Coupling socket	2107
Coupling socket	2129
Hose Ø=50	2401
HEPA filter	44016
Fine filter, polyester with integrated filter guard	44017
Fine filter, cellulose with integrated filter guard	44043
Plastic bag, 50 pcs	4314
Intellibag, 10 pcs/roll	43619
Plastic bag Longopac	432177

Warranty

The warranty period is two years and covers manufacturing defects. The warranty is valid on condition that the machine is used in the normal way and receives the required service. Normal wear and tear is not covered. Repairs must be carried out by Dustcontrol or personnel authorized by Dustcontrol. Otherwise, the warranty is void.

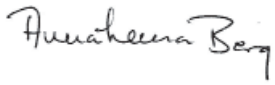
Troubleshooting

Problem	Cause	Action
Motor not running.	Power supply not connected.	Connect power supply.
Motor stops immediately after starting.	Incorrect fuse.	Replace with correct fuse.
Motor runs, but no suction.	Suction hose not connected. Hose blocked.	Connect hose. Reverse or clean hose.
Motor runs, but poor suction.	Suction hose perforated.	Replace hose.
	Blocked filter.	Clean or replace.
	Suction hose too long or narrow.	Replace hose.
	Hose partially blocked.	Reverse or clean hose.
	Top of machine poorly fitted.	Adjust fitting.
	Dust trapped in cyclone.	Remove top and clean cyclone.
Machine blows dust.	Filter loose or damaged.	Check and replace as necessary.
Abnormal sound from machine.		Book service.

EC Declaration of Conformity

We hereby declare that DC Tromb 400/a/c/L is in conformity with the following Directives and Standards: 2006/42/EC, 2014/35/EU, 2014/30/EU, EN 60204-1:2006/A1:2009, EN1822-1:A1:2009.

Dustcontrol AB



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2019-05-07



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