

# Bona DCS 70 by KT KÜNZLE & TASIN



The Bona DCS 70 is a revolution for your working environment. The World Health Organisation in Vol. 2 of their Evaluation of carcinogenic risks to humans, 1997, notes: **Wood dust is carcinogenic to humans.**

Use the Bona DCS 70 to sand without dust. The two-step cyclonic separation and the unique filter design of the DCS allow sanding dust to be collected easily and effectively, significantly reducing the risk of dust contamination and ensuring a cleaner safer working environment.

For both you and your customer there are the benefits of a reduced health risk from sanding dust and less chance of dust within the property.

- Healthier working conditions – in compliance with strict European regulations.
- Totally sealed system – a unique seamless bag system, so no dust can escape
- Greater customer satisfaction because of sanding without dust
- Unique separation process
- Longer working time due to 70 Lt dust bag capacity
- Ergonomic – designed for easy use and transport.
- Made for professional use – a robust, high quality machine for flooring contractors

## Technical data

Weight:	43 kg
Dimensions:	800 x 600 x 1200 mm
Collection capacity:	Approx. 70 litres
Motor:	1400 W, 230 V, 5 A
Air flow:	235 cubic metres per hour
Coarse filter:	Conical folded polyester filter, 1.0 sq. m
Fine filter:	Class H 13 (99.996%, 0.3 µm), 1.0 sq. m
Hose aperture:	35 mm in diameter
Length of hose:	7.5 m
Connection adapters:	Bona Belt range, Bona Edger range and Bona FlexiSand

For further more detailed technical data please see the machine manual.

## Preparation

When using the Bona DCS 70 for the first time, read the machine manual carefully and follow the instructions to set the machine up.

Open the upper part of the DCS 70 and tilt the filter container backwards. Check that the Longopac 'endless bag' cassette is in place and fitted tightly within the housing. Look for holes or damage in the plastic dust bag and ensure that the cable ties which close the 'open' end are tight.

Connect the vacuum hose to the DCS 70 and the other end to the sanding machine. Ensure that the fittings are tight and firmly in place to prevent any dust escaping.

Connect the cable to the power socket. For your own safety always use an **earth leakage circuit breaker**.

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## Directions for use

If the sanding machine is connected separately to a wall socket start the DCS 70 by pushing the main switch to position 1.

It is possible to connect a Bona Edger or FlexiSand to the power socket on the side of the DCS70 although a power cable with a European mainland plug is required. This allows the 'Autostart' function to be used. The main switch should in this case be set to position 2. The DCS 70 is in standby mode at this point and will start automatically after a second or two when the sander starts. When you turn the sander off, the DCS 70 will run for an additional 18 seconds to allow the sander to stop completely and empty the hose.

Do not use a belt sander with the 'Autostart' function as it is likely that the machine will draw too much power and thus may blow the fuses in the plug, trip the overload switch in the property's fuse board or damage the DCS.

## Cleaning the filter

When the DCS 70 is working correctly, with dust tube connected, the needle of the 'vacuum gauge' will be in a vertical (12 o'clock) position. **This is normal.**

When the vacuum meter's needle moves well into the red area, it is time to clean the filter. The filter should be cleaned as a minimum every time you change abrasives on your sanding machine but more frequent cleaning is recommended.

Disconnect the hose from the sanding machine. Place the 'open' end of the hose against the bodywork containing the coarse filter at the top of the DCS 70. Turn on the machine so that the DCS 70 attempts to draw air through the hose. Look at the vacuum meter indicator needle. When it does not move anymore, give the filter cleaning lever a strong push downwards. Repeat this 4 – 5 times. Reconnect the hose and continue to sand.

## Dust collection

Whenever you have finished sanding or the dust bag is full, the bag must be changed. Sanding dust, particularly where the timber flooring had been previously coated with solvent based products or oils, may spontaneously combust. Do not store the DCS 70, or any sanding machine, with an un-emptied dust bag. All sanding dust removed from the machine must be kept outdoors due to the potential fire hazard.

To dispose of the dust, switch off the machine, leaving the hose attached. Undo the straps and open the upper part of the DCS 70 by tilting the filter containing section backwards. When it is fully open gently tap the bag to ensure that any dust on the sides falls to the bottom. Pick a point above the dust level and squeeze the bag together to form a cinch point. Place two cable ties around the cinched bag, approx. 50 mm apart, and pull them tight. Using the scissors provided cut the bag between the ties. A 2<sup>nd</sup> tie may be used on the new bag for safety if required.

Pull out approximately ½ metre of the new bag. When the machine is turned on the vacuum will 'draw out' the bag to the correct length.

## Periodic maintenance

In general, routine maintenance of the DCS 70 requires simply that it is kept clean from dust. The condition of the filters must be monitored and replaced as necessary. Gentle cleaning of the coarse filter can be done using a soft brush and vacuum if needed. It is important that the gasket around the Longopac is both in good condition and in the correct position. When the Longopac is replaced, the location of the gasket is vitally important as incorrect positioning may lead to dust being able to pass into the HEPA filter.

Outside of the routine maintenance tasks, major servicing of the DCS 70 should be carried out by a professional machine / electrical workshop.

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