



# **DCAM-110 DCAM-240 INSTRUCTION MANUAL**

**CAUTION: Read these instructions before using this appliance.**





# **MODELS DCAM-110/DCAM-240 DUCT CLEANING AIR MOVER**

## **OPERATING INSTRUCTIONS**

Flow readings are nominal, measured with clean filters, without any ducting fitted and in accordance with the procedure laid down in BS 8520-2:2009.

The models are manufactured in accordance with the requirements of BS 8520-2:2009.

BS 8520-2:2009 states the following -

### **WARNING**

**READ THIS INSTRUCTION MANUAL BEFORE USE.**

**THIS EQUIPMENT MUST ONLY BE OPERATED UNDER THE SUPERVISION OF  
COMPETANT AND TRAINED PERSONNEL WHO HAVE RECEIVED INFORMATION,  
INSTRUCTIONS AND TRAINING ON THE USE OF THE APPLIANCE AND THE  
SUBSTANCES FOR WHICH IT IS TO BE USED INCLUDING THE SAFE METHOD  
OR REMOVAL AND DISPOSAL OF THE CONTAMINATED ITEMS.**

Part 1, Section 6 of the Health & Safety at Work Act 1974, requires that manufacturers to ensure as far as reasonably practicable that the articles manufactured are so designed and constructed as to be safe and without risk when properly used.

All products are manufactured and tested to the relevant British and European Standards where applicable and are accompanied by operating instructions. Additional copies of operating instructions are available quoting model numbers.

If a change is made in the use of the new product from which it was originally supplied, consult Vent Duct Tools as to the suitability of the new use.

All extraction units are class 1 appliances and must be earthed.

Any queries relating to the electrical matters, must be referred either to the manufacturer or a qualified competent electrical engineer.

Disconnect the appliance from the mains before carrying out maintenance.

The Appliance must never be operated or used in areas where there may be potentially explosive dusts, vapour or gases.

This model is fitted with 2 stages of filtration -

CP4 BAG FILTER  
F8 400X400100 Panel filter

### **Important Information.**

These appliances are suitable for commercial and industrial use.

Additional copies of the operating instructions are available upon application, quoting model numbers. If a change is made in the use of the product from that which it was originally supplied, consult Vent Duct Tools regarding the new use.

Before use, operators should be provided with information, instructions and training on the use of the appliance and the substances for which it is to be used.

Care and attention must be exercised at all times during use. Supply cables should be suited such that possible damage to cables is at a minimum. Supply cables should be examined at frequent intervals for damage such as cracking or ageing, if damage is found replace supply cable before further use.

During cleaning or maintenance or when replacing parts, the appliance must be disconnected from the mains.

It is recommended the appliance is inspected and tested at six monthly intervals for filter integrity and electrical safety.

Never run the machine with the inlet spigot sealed or blocked for any length of the time as overheating will occur. The use of long extension cables to the machine causes voltage drops with subsequent loss of performance.

## **OPERATING INSTRUCTIONS**

Any exhaust air can be vented to remote areas by means of flexible tubing.

### **METHOD OF USE**

Check correct voltage supply is available 110 volt.

Check that supply can give sufficient currents to power the machine.

For 110 volts the model will require 2.6amps.

For models fitted with volume flow control, turn controller anti clockwise before switching machine on and increase power by turning clockwise . On / off switches are situated at the rear of the machine.

Pressure gauge readings on new units with clean pre-filters should be approximately 150 pascals for the model 1000m<sup>3</sup>/h taken at full flow.

The maximum pressure that can be developed within the system is 750 pascals. As the filters start to block up, the pressure gauge will start to rise. A reading of approximately 750 pascals with no hoses connected this would indicate that the bag filter requires cleaning or replacing. After a period of time dependent on dust loading, replacing the Bag Filter will no longer restore the air flow and the intermediate (F8) Filter will require replacement.

When taking pressure gauge readings, the following needs to be borne in mind. The use of flexible hoses will affect the performance of the equipment and also increases or decrease pressure gauge readings depending on whether the hoses are used on the inlet or outlet of the machine.

Exhaust air can be ducted to remote areas by means of flexible tubing.

## SPECIFICATION SHEET

### **DCAM-110 & DCAM-240 Duct Cleaning Air Mover 1000M/3h**

Air flow performance test to annex a **BS 8520-2:2009**

Clean Filters	1200	M3h	<b>100</b>	Pa	<b>N / A</b>	Decibels	<b>70</b>
Dimensions	-	High	<b>1100mm</b>	Width	<b>400mm</b>	Length	<b>400mm</b>
Inlet/Outlet	-	Inlet	<b>298mm O / D</b>	Outlet	<b>200mm O / D</b>	Weight	<b>30.5Kilos</b>
Amps	<b>2.6</b>			Voltage	<b>110 or 240</b>	Hz	<b>N / A</b>

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### **SPARE PARTS**

F134 CP4 BAG FILTER.

F135 PANEL FILTER.

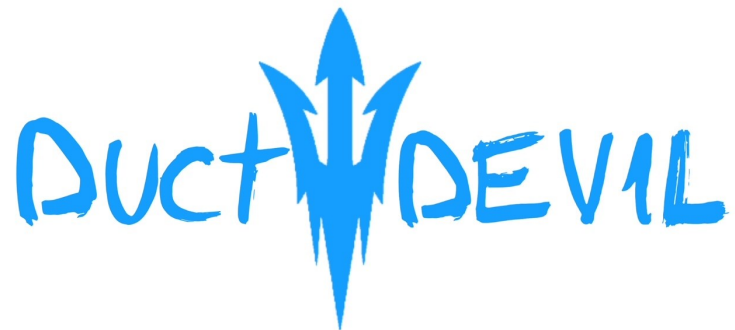
Only genuine Vent Duct Tools spare parts should be used

For spares contact:

Vent Duct Tools, Unit 3 Tiverton Way, Tiverton Business Park, Tiverton. Devon EX16 6TG.

**Tel 01884 675075**





## HEPA VACUUM & NEGATIVE AIR MACHINE RANGE



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**Ver. May 2021**