

**DRAPER**<sup>®</sup>

**D20**  
MULTI-TOOL BATTERY SYSTEM

**GB** ORIGINAL LANGUAGE

20V

# VACUUM CLEANER

55771



**UK**  
**CA** **CE**

**F** **ASPIRATEUR**

20V  
55771

**E** **ASPIRADORA DE**

20V  
55771

**P** **ASPIRADOR DE**

20V  
55771

**D** 20V  
**STAUBSAUGER**

55771

**NL** 20V  
**STOFZUIGER**

55771

## 1.1 SCOPE


Hand-held domestic vacuum cleaner. Suitable for small cleaning jobs in the car or at home.

Part of our core range, this product is suitable for enthusiasts and tradespersons alike. Any application other than that it was intended for, is considered misuse.

This product is not a toy and must not be used by children or any person with reduced physical, sensory or mental capabilities or lack of experience and knowledge, or people unfamiliar with these instructions.

Local regulations may restrict the age of the operator.

## 1.2 UNDERSTANDING THIS MANUALS SAFETY CONTENT

 **Warning!** – Information that draws attention to the risk of injury or death.

**Caution!** – Information that draws attention to the risk of damage to the product or surroundings.

## 1.3 EXPLANATION OF SYMBOLS



Read the instruction manual.



Dust capacity.



Max Suction.



Machine weight.



Class II construction  
(Double insulated).



WEEE –  
Waste Electrical & Electronic Equipment.

Do not dispose of Waste Electrical & Electronic Equipment in with domestic rubbish.



UK Conformity Assessed.




European conformity.

## 2.1 SPECIFICATION

Stock No. ....	55771
Part No. ....	D20VC
Rated voltage .....	20V
Rated input .....	2200W
Dust capacity.....	600ml
Max Suction.....	3.8kpa
Air flow.....	1.1m³/mm
Weight (machine only).....	1.5kg

## 3. HEALTH AND SAFETY INFORMATION

### 3.1 GENERAL SAFETY INSTRUCTIONS FOR POWER TOOL USE

 **Warning!** Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

**Save all warnings and instructions for future reference.**

The term “power tools” in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

#### 1) Work area safety

- Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

#### 2) Electrical safety

- Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power**

**tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.

- e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- f) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

### 3) Personal safety

- a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- b) **Use personal protective equipment Always wear eye protection.** Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection use for appropriate conditions will reduce personal injuries.
- c) **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
- d) **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- e) **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.
- h) **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.

### 4) Power tool use and care

- a) **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.

- b) **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- c) **Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- d) **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
- e) **Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
- f) **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g) **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.
- h) **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

### 5) Service

- a) **Have your power tool serviced by a qualified repair person using only identical replacements parts.** This will ensure that the safety of the power tool is maintained.

## 3.2 ADDITIONAL SAFETY INSTRUCTIONS FOR VACUUM CLEANER

- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

### 3.3 RESIDUAL RISK

**Important:** Although the safety instructions and operating manuals for our tools contain extensive instructions of safe working with power tools, every power tool involves a certain residual risk which can not be completely excluded by safety mechanisms. Power tools must therefore always be operated with caution!

### 3.4 CONNECTION TO THE POWER SUPPLY

**Caution:** Risk of electric shock. Do not open.


This appliance is supplied with an approved plug and cable for your safety.

Never use a damaged or incomplete plug.

This appliance is Class II<sup>†</sup> and is designed for connection to a power supply matching that detailed on the rating label and compatible with the plug fitted.

Carefully select an extension lead. Some machines are not suitable for use with extension leads. If the tool is designed for use outdoors, only use an extension lead suitable for that environment in conjunction with an RCD adaptor. When using an extension lead, select one capable of handling the current (amps) drawn by the machine in use. Ensure the cable is fully unwound regardless of the distance between the power supply and the tool. Excess current (amps) and a coiled extension lead will cause the cable to heat up and can result in fire.

Keep extension leads away from moving hazardous parts to avoid damages to the cable which can lead to contact with live parts. Position cable safely to avoid tripping over.

†Double insulated : This product requires no earth connection as supplementary insulation is applied to the basic insulation to protect against electric shock in the event of failure of the basic insulation.

**Important!** If using an extension lead, follow the instructions that came with your lead regarding maximum load while cable is wound. If in doubt, ensure that the entire cable is unwound. Using a coiled extension lead will generate heat which could melt the lead and cause a fire.

- Some of the packaging materials may be harmful to children. Do not leave any of these materials in reach of children.
- If any of the packaging is to be thrown away, make sure it is disposed of correctly, according to local regulations.

## 4. UNPACKING AND CHECKING



### 4.1 PACKAGING

Carefully remove the product from the packaging and examine it for any sign of damage. Check contents against the parts shown in Fig A. If any part is damaged or missing, please contact the Draper Help Line (see back page). Do not attempt to use the product!

The packaging material should be retained during the warranty period, in case the product needs to be returned for repair.

 **Warning!**

5. IDENTIFICATION – FIG.A 



- |  |                         |
|--|-------------------------|
| ① Detachable dust collection chamber       | (8) Crevice nozzle      |
| (2) Dust collection chamber release button | (9) Brush head          |
| (3) On/Off switch                          | (10) Hard floor head    |
| (4) Soft grip                              | (11) Filter bag cage    |
| (5) Motor housing                          | (12) Accessories holder |
| (6) Filter assembly                        | (13) Filter bag         |
| (7) Extension tube                         |                         |

FIG.A  
**Note:** For details of our full range of accessories and consumables, please visit [drapertools.com](http://drapertools.com)

## 6. PREPARE THE VACUUM CLEANER (GB)

### 6.1 MOUNTING VAC ACCESSORIES – FIGS.1 – 3

- There are various combination possibilities for the cleaner accessories.
- Push fit the accessories firmly into the dust collection chamber (1) and in to each other.



FIG. 1

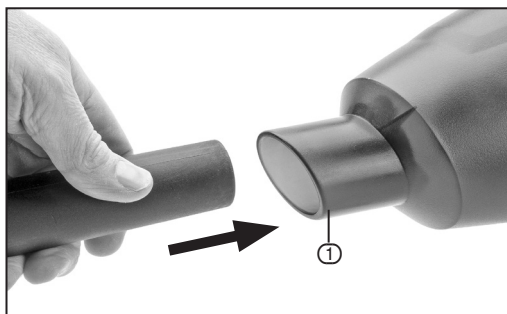


FIG. 2

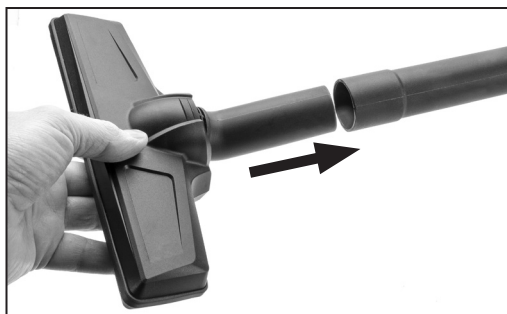


FIG. 3

## 7. BASIC VACUUM CLEANER OPERATIONS (GB)

### 7.1 STARTING OPERATION – FIG.4

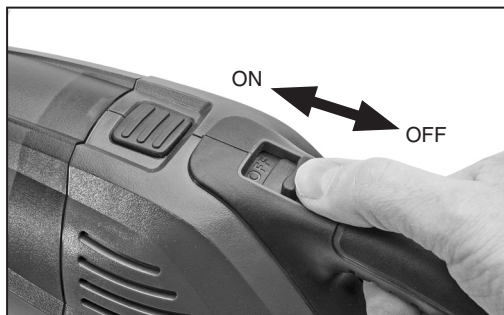


FIG. 4

## 8. MAINTENANCE (GB)

### 8.1 CLEANING – FIG.5

To maintain the optimum performance of the vacuum cleaner, clean the collection chamber (1) after each use.

- Press release button (2) and remove the collection chamber (1) from the motor housing (5). Remove the filter assembly (6.1) from the collection chamber (1).
- Shake/tap out the filter cage (6) over a suitable waste bin.
- If required, clean the dust cup with a moist cloth. If required, clean the filter assembly.
- Reinsert the filter assembly (6.1) into the collection chamber (1). Apply light pressure until the dust cup can be heard to engage.

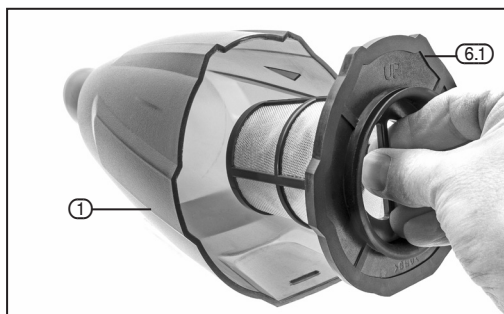


FIG. 5

### 8.2 MAINTENANCE

Regular inspection and cleaning reduces the necessity for maintenance operations and will keep your tool in good working condition. The motor must be correctly

ventilated during tool operation. Avoid blocking the air inlets and vacuum the ventilation slots regularly.

## 9. BATTERY

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### 9.1 BATTERY PACK CHARGING – FIGS. 6 – 7

**Important!** Draper designated battery packs and chargers must only be used with this product. Use of any other third-party battery packs/chargers is considered misuse and will invalidate the warranty.

Once connected to the mains supply, recharging of the battery can be left generally unsupervised.

**Warning!** Check the condition of the charger and battery prior to each charge. Do not use if there is any sign of damage.

The battery pack is supplied un-charged and must be charged before initial use.

To charge the battery pack (15):

- Plug the battery charger (14) unit into a suitable mains power supply socket.
- The red LED (14.1) will illuminate to show the charger has power.
- Slide the battery into the charger's aligning pins.
- After a few seconds delay, the red LED will flash to show that charging has begun, then changes to solid red.
- Whilst the battery is charging, the green LED (14.2) will flash.
- When the battery is fully charged the green LED stops flashing and changes to solid green. The red LED will turn off.



FIG. 6

To release the battery pack:

- Press the battery release button (15.1) and gently slide the battery pack off.



FIG. 7

**Caution:** Only use the plug to disconnect from the power supply, never use the cable.

**Caution:** If the battery charger has been in continuous use it will be hot. Once charging is completed, leave the charger to cool.

Only charge cooled batteries.

### 9.2 BATTERY PACK PROTECTION FEATURES

**Overcharging protection:** When the battery pack is fully charged, the transformer/charger will automatically shut off, protecting the internal components.

**Over-discharging protection:** Stops the battery pack from discharging beyond the recommended lowest safety voltage.

**Overheating protection:** An internal thermistor cut-off sensor shuts off the battery pack should it become too hot during operation. For example, if the tool is overloaded or used for extended periods. 30 minutes cooling time may be required.

**Current protection:** If the battery is overloaded or the maximum current draw exceeded, the battery will shut off to protect internal components. The battery pack will resume operation once the current draw is at a safe level.

**Short circuit protection:** The battery pack will stop operating immediately if it was to short circuit.



### 9.3 BATTERY PACK CHARGE STATUS – FIG.8

Press the charge level indicator button (15.2) to display the battery charge level.

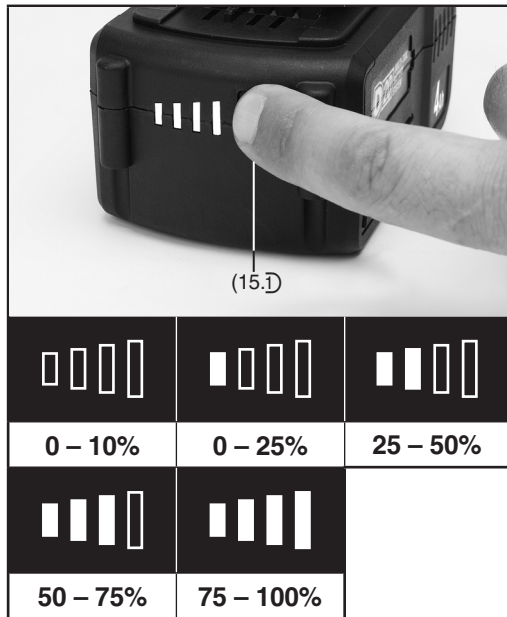


FIG. 8

### 9.4 BATTERY LIFE EFFICIENCY AND CHARGING ADVICE

- Avoid recharging at high temperatures.  
A rechargeable battery will be hot immediately after use. If such a battery is recharged immediately after use the battery life will be shortened. Leave the battery and recharge it after it has cooled.
- The battery should only be used and/or charged when battery temperature is between 5°C and 30°C.
- The battery needs to be warmed-up or cooled down to prevent damaging to the batteries internal components.

**Note:** If battery is too hot or too cold, allow it to 'normalise' before use or charging.

**Note:** Failure to warm up or cool down a battery could result in serious damage to the battery, charger and user.

## 10. WARRANTY

(GB)

### 10.1 WARRANTY

Draper power tools have been carefully tested & inspected and are guaranteed to be free from defective materials or workmanship.

For details of warranty and terms and conditions please visit the Draper Tools website at [www.drapertools.com/warranty](http://www.drapertools.com/warranty)

## 11. DISPOSAL

(GB)

### 11.1 DISPOSAL

- At the end of the machine's working life, or when it can no longer be repaired, ensure that it is disposed of according to national regulations.
- Contact your local authority for details of collection schemes in your area.

In all circumstances:

- Do not dispose of power tools with domestic waste.
- Do not incinerate.
- Do not dispose of WEEE\* as unsorted municipal waste.



\* Waste Electrical & Electronic Equipment.