



## **NACECARE SOLUTIONS**

# **RSV 100 Backpack Vacuum with Hypercone™**

## **Operator Instructions**

**NOTE:** As with all electrical equipment, care and attention must be exercised at all times during its use, in addition to ensuring that routine and preventative maintenance is carried out periodically in order to ensure its safe operation. In particular the electrical supply cable and flexible hose should be regularly inspected by a competent person and immediate action taken to rectify any faults found. Failure to carry out maintenance as necessary, including replacement of parts to the correct standard, could render the equipment unsafe and the manufacturer can accept no responsibility in this respect. See the enclosed exploded drawings for correct replacement parts.

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### **MACHINE COMPONENTS**

#### **Recovery Dome**

The opaque vacuum dome, which has a built-in fitting to accept the hose, is held in place by 2 toggle latches. To remove the dome lift up on the latches. The dome can be fitted in any position desired to accommodate left or right-handed operators.

#### **Standard Dry Filter**

The RSV 100 equipped with a synthetic nylon main filter. The machine can be used with this filter alone - however better performance is achieved if disposable paper bags are used as well. The main filter should be removed and emptied on a daily basis. When this is done, the main bowl filter at the bottom of the canister is exposed. This filter should also be checked on a daily basis.

If the main filter becomes loaded with dirt & debris during use, it should be removed periodically and brushed to remove the gross soil. Both filters can be washed in mild detergent & hung to dry if desired.

## **Optional Paper Bags / Cloth Bags**

Disposable paper bags are available for the machine as an option. Use of these bags will, however, improve the overall performance and life span of the vacuum motor.

A zippered cloth bag is available for the machine if required.

## **Main Canister**

Other than regularly cleaning the main bowl filter, and wiping the interior of the main canister with a damp cloth, there is no maintenance required on the canister.

## **Accessories**

The machine is equipped with a 5' vacuum hose with a special connection to attach to the vacuum dome. The wand end of the hose has a swivel fitting cut at an angle which can be used as a crevice tool for cleaning in corners. The cuff is designed as a friction fit to the wand. The standard wand is a 3-piece steel unit finished with a grey epoxy paint for durability. To assemble the wand, attach the straight sections together by fitting end to end and pushing together. A tighter fit can be achieved if the wand is given a twist while pressing together. The curved wand section fits at the top of the straight sections and the wand cuff is then fitted to the curved section.

The standard floor tool is a low profile, multi-surface tool. This too is a friction fit to the end of the wand.

Many other accessories such as crevice tools, dusting brushes, pipe cleaning tools etc. are available for various cleaning tasks.

## ***INSTRUCTIONS FOR USE***

Before operating the machine, check that the main filter is in place. Rotate the dome to the required position and toggle in place. The vacuum hose is fitted to the dome by inserting it in the special connector to compress the gasket and rotating one half turn.

Loosen the straps and waistband of the harness assembly before putting the machine on your back. Pull down on the shoulder straps to raise the machine to a comfortable position. The waistband can then be attached. The waistband is a cross-over design with a Velcro-type fastening

When the machine is comfortably fitted on your back, the wand, with floor tool attached, can then be fitted to the hose.

Turn the vacuum motor on by the main switch on the motor housing.

**Note:** This machine is fitted with a thermal protection device. If the machine overheats due to use with a clogged hose or blocked main filters, the machine may stop automatically. If this occurs, remove the blockage and/or clean the main filter. Also check for blockage on the exhaust filter by removing the black cover and lifting out the filter material. Once the motor cools down the machine can be restarted by turning the main switch off then on again. It may take 10 - 15 minutes for the machine to cool down once it has turned itself off.

It, after the above procedure has been carried out, the machine stops again, the machine should be checked by a qualified service technician for faults.

## ***WARNINGS***

Do not use for any potentially hazardous or health endangering material recovery.

Do not use the machine unless the full filtration system is fitted.

Do not use the machine in corrosive or flammable environments.

Do not use this machine for the collection of explosive dusts.

When operating the machine in contaminated environment, always use protective respiratory equipment and suitable approved personal protective clothing.

## ***IMPORTANT***

If the machine will not run, check that the it is switched on and that power is available. If the machine stops in use and restarts after a time, the high temperature cut-off device may be activated. This may be indicative of blocked filters.

## ***Servicing***

Any servicing required should be carried out by qualified personnel.

This machine may be fitted with a two wire main power cord (double insulated machines) or with a grounded power cord. Always use the appropriate parts when making any repairs. Failure to do so may compromise the safety of the product.

Always use genuine NACECARE SOLUTIONS parts for any repairs required.

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