NUMATIC - NVD 750F / SNTD 750

Owners Manual

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.

MACHINE COMPONENTS

Powerhead

The 2 bypass vacuum motors are housed within the epoxy coated steel head. To start the vacuum, there is 1 switch mounted on the front of the handle assembly. The powerhead is removed by lifting up on the 2 steel toggles and releasing the claws from the rim of the powerhead.

The exhaust port of the vacuum is equipped with a screw on diffuser to divert the exhaust airflow. This may be removed if required. Also it is possible to fit an exhaust hose to divert the processed vacuum air to another area. For this it is recommended to use the shortest 2" Numatic hose possible, and to increase the diameter to proprietary exhaust hose as soon as possible to reduce back pressure.

Standard Dry Filters

The NVD 750F (SNTD 750) is normally equipped with a 2 stage main filter assembly immediately underneath the powerhead. This consists of a red Filtrex filter providing 5.0 micron filtration and a white Permatex 0.5 micron filter.

If higher filtration levels are required, it is possible to install a 2 stage Permatex (NVM 13B) / Microtex (NVM 10C) assembly instead of the standard filters. This increases the filtration to 0.3 microns with an efficiency in excess of 99%.

As the standard become loaded with dirt & debris during use, they should be removed periodically and brushed to remove the gross soil. Both stndard filters can be washed in mild detergent & hung to dry. Do NOT wash the Microtex filter if this is installed in the machine. The Microtex filter is easily identified by its bright yellow colour. It also has a warning tag indicating that it should not be washed.

Optional HEPA Filter Module

As an optional accessory, the NVD 750F (SNTD 750) may be fitted with a HEPA filter module. When this filter is used it must always be used with a Permatex filter as a pre-filter. Failure to do so will drastically reduce the working life of the HEPA filter.

As a safety precaution in sensitive areas, it is possible to secure the HEPA filter module to the powerhead by using split pins. These can be inserted through the holes in the steel retaining toggles once they are closed.

The HEPA filter is capable of filtration to 99.97% to 0.3 microns even if the intake of the machine is completely blocked.

The code for the replacement filter is NVM 25B. Replacement of the HEPA filter must be carried out by qualified personnel.

Special Cyclonic Assembly

Below the main filter assembly is the special cyclonic assembly. The intake, to which the vacuum hose is attached, is mounted so that debris enters in a tangential fashion to enable "cyclonic" separation of dusts from the airstream.

To remove the cyclonic assembly it is necessary to first remove the transfer hose screwed onto the rear of the assembly. Then lift up on the 2 steel toggles and release the claws from the rim of the assembly.

Collection Filters

The standard filter supplied with the machine is a deep Permatex filter. In addition to this the recovery tank is lined with an open paper bag (type-NVM 5B). It is also possible to use the Permatex filter as a liner with the open paper bag as the main collection filter.

When very heavy material is to be recovered, an optional permanent Permatex bag with heavy duty lifting handles can be ordered (NVM 32F). It is recommended to use open paper bags as a liner with the permanent Permatex bag as the main collection filter.

Filter Cages

Within the lower tank of the machine are 2 filter cages. On the base of the tank is a circular cage which supports the main filter cage. The main filter cage is used to keep the chosen filters away from the sides of the lower tank. This maintains airflow around the filters at all times, allowing the full capacity of the vacuum to be utilized.

Recovery Tank

The recovery tank has a transfer hose screwed onto the back. This hose is in turn atached to the back of the special cyclonic assembly. On the front of the recovery tank is a intake port with a chrome blanking cap. This should not be removed.

Transport Chassis

The recovery tank is supported by a 4-wheeled stainless steel chassis. This will carry the full weight of the machine and recovered debris. The front of the chassis has a horizontal bar with two punched holes in it. This is to allow wide area wet or dry cleaning kits to be fitted to the machine. The machine body is attached to the chassis with a steel toggle. It can be removed from the chassis by lifting up the toggle.

Accessories

The is equipped with our standard intake fitting, allowing all 1 1/2" and 2" Numatic accessories to be used. It is NOT recommended to use any of the 1 1/4" accessories as this substantially reduces the airflow performance of the machine

WARNINGS

If used for any potentially hazardous or health endangering material recovery, do not use the machine unless the full filtration system is fitted. Failure to fit the complete system may cause premature clogging of the HEPA filter cartridge and may also endanger health.

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

This machine may be equipped to handle hazardous dusts. This is only possible if fitted with a HEPA filter module. Always take caution when emptying the machine as the dust found in the container may be hazardous to your health.

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 main filters, a blocked HEPA filter or blocked hoses.

Servicing

Any servicing required should be carried out by qualified personnel.

Do not attempt to clean the microfilter cartridge. If it becomes excessively clogged, fit a new unit. Take care when fitting the new cartridge not to handle or rupture the paper element as this will affect the filtration efficiency of the machine. Care should also be used in disposing of the old cartridge.

Always use genuine Numatic parts for any repairs required.

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