Operating Instructions

⚠WARNING Disconnect the plug from the power source before making any assembly, adjustments or changing attachments. Such preventive safety measures reduce the risk of starting the tool accidentally.

⚠WARNING When using this dust extractor for EPA Lead Based Paint Renovation, Repair and Painting Program (RRP), this dust extractor is not recommended for vacuuming carpets and rugs. Dust extractor may not be able to completely remove all hazardous substance, which may cause health and environmental hazards.

⚠WARNING Not suitable to vacuum hazardous or toxic substances or dusts e.g. asbestos. Neither the standard filter nor the optional HEPA filter is able to capture all hazardous particles, which may cause health hazards.

NOTE: Read the OSHA regulation on silica dust and the related OSHA Silica Table 1 to understand the requirements needed to reduce exposure to silica dust at the jobsite. Specific rules apply to the drilling, demolition cutting and grinding materials that contain silica. According to OSHA Silica Table 1, when dry cutting or dry surface grinding concrete type materials using hand held grinders, the dust extractor (dust collector) being used must provide 25 CFM or greater of air flow per inch of wheel diameter.

All OSHA requirements can be found at OSHA website:

www.osha.gov

Always check OSHA website for the latest regulations.

When using the dust extractor in concrete applications with related tools and dust extraction attachments (such as rotary / demolition hammers or grinders), always follow the instructions provided with the tools / attachments to ensure proper dust collection throughout the application.

SWITCHING DUST EXTRACTOR ON/OFF

Automatic filter cleaning (AFC) is active whenever the VAC090A and VAC140A dust extractor is switched on in either the "Power tool activation" mode or normal vacuuming mode.

NORMAL VACUUMING MODE

Switching the Unit On: Unplug any connected power tool from the power tool outlet on the dust extractor. Set mode selector switch to on "ON".

Switching the Unit Off: Set mode selector switch to off "OFF".

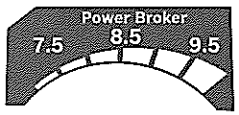
"POWER TOOL ACTIVATION" MODE

In the "Power Tool Activation" mode, when the power tool is switched on, the power tool automatically switches on the dust extractor.

Switching the Dust Extractor ON

1. Make sure the power tool is switched off, and then plug it in to the power tool outlet on the dust extractor.
2. Turn the mode selector switch to "Power Tool Activation" position (Fig. 9).

FIG. 9



3. When the power tool is switched on, the dust extractor automatically switches on.

Switching the Dust Extractor OFF

To turn off the dust extractor, switch off the connected power tool or turn the mode selector switch to "OFF" position.

NOTE: After the tool is switched off, in order to empty the hose, the dust extractor switches off 10-15 second later.

CONNECTING POWER TOOL TO DUST EXTRACTOR

⚠WARNING Avoid accidental starting. Be sure the dust extractor and tool switches are OFF before plugging in. Tool must be turned off before placing the dust extractor switch in "Power Tool Activation" or "ON" mode. Do not keep power tool plugged into power tool outlet on the dust extractor during normal vacuuming (mode switch at the "ON" position). Plugging in dust extractors or tools that have switch ON invites accidents.

⚠WARNING The sum of current draw of the dust extractor and connected power tool must not exceed 15A. Exceeding the 15A current draw could cause the dust extractor and branch circuitry to overheat, presenting a risk of fire.

Models VAC090A and VAC140A only:

POWER BROKER™ POWER ALLOCATION FEATURE

The Power Broker™ feature allows optimal allocation of the power available between the dust extractor and power tool.

Before connecting power tool to power tool outlet, set POWER BROKER™ dial as follows:

1. Get tool amp rating from tool dataplate.
2. Subtract tool amp rating from 15A.
3. Set dial to the difference. Tool amp and dial setting must not exceed 15A.

Models VAC090S and VAC140S only:

Before connecting tool to the power tool outlet, make sure the tool rating does not exceed 5.5A.

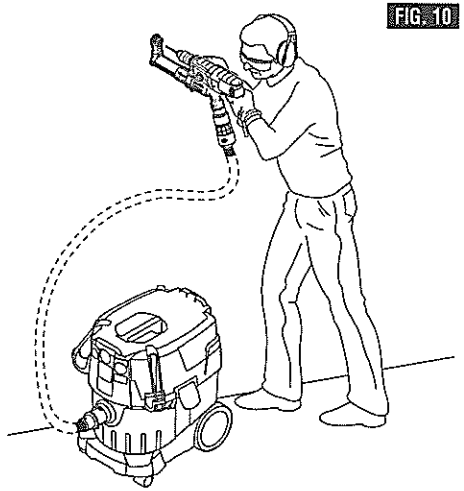
Notes:

- The building's circuit breaker can trip if the combination of power tool amp rating and the dial setting exceed the building circuit's amp rating.
- If full dust extractor power is needed with a power tool that draws high amps, it may be necessary to plug the power tool into a separate circuit.

CONNECTING DUST EXTRACTOR TO POWER TOOLS AND ATTACHMENTS

This dust extractor can also be connected to various power tools or their attachments to easily extract and collect dust. Applications include drilling and demolition of concrete using rotary and demolition hammers, as well as sanding various materials using grinders and sanders. Other power tools that can be connected to the dust extractor include routers, planers and saws. To determine if any attachment and/or adapter is required to connect a given power tool and dust extractor hose, consult the Bosch catalog or website (www.boschtools.com). Depending on the hose port on the power tool or attachment, the included VX120 power tool hose adapter can be either slid into the hose port or snapped into place. Bosch also offers a variety of other dust extractor hose adapters (not included) to allow the hose to be connected to hose ports of various sizes. See page 19.

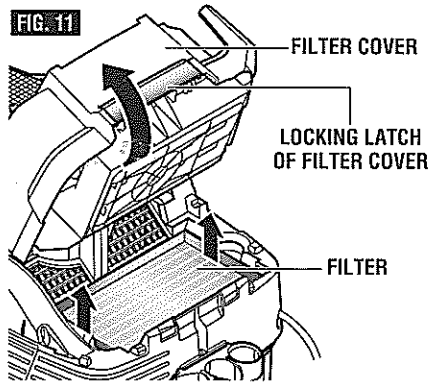
FIG. 10



REMOVING AND REPLACING FILTER

1. Pull the locking latch for the filter cover and open cover. When cover is fully open, it will click into place (Fig. 11).
2. Grasp the filter by the edge, pull up and remove (Fig. 11).
3. Before inserting new filter, use a moist cloth and remove any dust and debris from the filter compartment.

FIG. 11

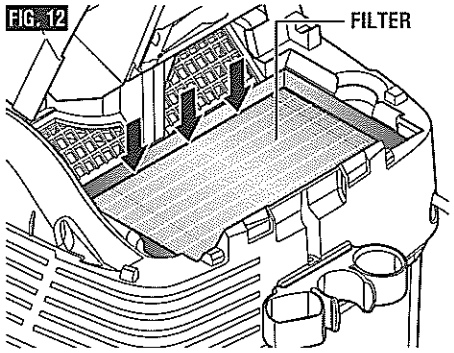


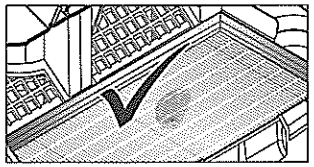
4. Insert new filter and make sure the filter is seated firmly in place (Fig. 12).
5. Shut the filter cover, ensuring cover locks into place

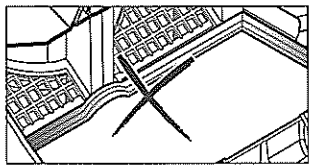
FILTER CLEANING SYSTEM

The Bosch VAC-Series dust extractors have 2 types of filter cleaning systems: automatic filter cleaning and semi-automatic filter cleaning. These are very aggressive systems which maximize filter cleaning to maintain a high air flow (CFM) rate even in heavy duty applications.

FIG. 12







⚠CAUTION Check filter periodically and replace if worn out or damaged. Using damaged filter can lead to release of unwanted airborne contaminants from the canister.

⚠CAUTION Semi automatic filter cleaning and automatic filter cleaning must be turned off when using paper bags. The reversal of air during filter cleaning may damage the paper bag.

Notes:

- Always use fleece filter bags when using HEPA filters with dust extractor.
- Fleece filter bags in conjunction with the automatic or semi-automatic filter cleaning will help extend filter life and maintain dust extractor suction efficiency.
- With regular usage of the filter cleaning system, the maximum vacuuming performance is maintained longer.
- The filter cleaning system must be activated when the suction power decreases to the point of being insufficient.
- The sound of the filter cleaning system may surprise those near the work area. Before using filter cleaning, alert those in the vicinity of the dust extractor of this feature and the associated sound it makes.
- The proper frequency for activating the filter cleaning system depends on the type and amount of dust. With regular usage, the maximum vacuuming performance is maintained longer.

Automatic filter cleaning (AFC) (Available on models VAC090A, VAC140A)

Automatic filter cleaning is active whenever the dust extractor is switched on in either the "Power tool activation" mode or normal vacuuming mode.

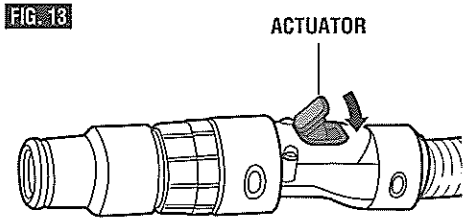
To deactivate the AFC feature, press the red membrane button the front of the dust extractor. The LED will turn off to signal this feature is deactivated. To reactivate, press the red membrane button a second time and the greed LED light will turn on signaling the AFC feature is activated (Fig. 3).

Air reversals will clean the filters every 15 seconds, maintaining the highest level of suction power. Dust extractor suction will be maintained as the filters are being cleaned.

Semi-automatic filter cleaning (SFC) (Available on models VAC090S, VAC140S)

Air reversals will clean the filters when either the actuator on the hose is depressed, or the airflow is blocked by covering the end of the hose. No suction will be available as the filters are being cleaned (Fig. 13).

FIG. 13



To deactivate the SFC function, slide the red switch on the side of the dust extractor towards the front of the dust extractor. To reactivate, slide the red switch towards the rear of the dust extractor (Fig. 2).

DRY VACUUMING

⚠CAUTION To reduce exposure to silica dust, follow the below guidelines:

- Always use HEFA filter and fleece filter bag.
- For models equipped with Automatic Filter Cleaning (AFC), leave the AFC system "ON". Do not turn off the AFC system.
- For models equipped with Semi-automatic filter cleaning (SFC) system, periodically activate the SFC system to maintain maximum vacuuming efficiency.
- Check filter periodically and replace if worn out or damaged. Never use compressed air, shake filter or hit filter against object to clean filter.
- Wipe dust off dust extractor control unit with moist cloth. Use water to clean the canister and attachments. Do not use dust extractor until completely dry.

WET VACUUMING

⚠WARNING Do not use to vacuum flammable liquids, gases, or explosive dusts, like gasoline or other fuels, lighter fluid, varnish, polyurethane coatings, cleaners, oil-based paints, natural gas, hydrogen, coal dust, magnesium dust, grain dust, or gun powder. Electric motors create sparks, which may ignite the dust or fumes.

⚠CAUTION A filter must be used when wet vacuuming. Do not use HEPA filter for wet vacuuming. A polyester (PES) filter (sold separately) is recommended for wet vacuuming. A paper filter can be used occasionally for wet vacuuming, but it must be allowed to dry thoroughly after such usage to help minimize deterioration.

⚠CAUTION Do not use paper, plastic or fleece filter bag when wet vacuuming. If a bag is to be used when vacuuming wet materials, a wet/dry slurry bag must be used.

Notes:

- Do not activate the filter cleaning mode when the canister contents are wet.
- The unit is equipped with water level sensors. The unit switches off when the maximum filling height is reached. The unit still has power, but will not operate. The unit must be switched off and emptied before it can be switched on again.
- When the unit is shut off, some water may flow out of the hose.
- To prevent siphoning or spillage, lift the suction hose out of the liquid before draining the dust extractor.
- Before opening and emptying, move the switch to the OFF position.
- Before opening and emptying, always disconnect the dust extractor cord from the power supply.
- In order to avoid mildew, after wet vacuuming, remove the bag (if one is installed) and remove the filter and allow it to dry thoroughly. Dry the filter and control unit thoroughly so that dust cannot adhere to moist parts.
- Use a dry filter for subsequent dry vacuuming. We suggest purchasing an extra filter when frequently alternating between wet and dry vacuuming and swap them out as appropriate.
- Wipe dust off dust extractor control unit with moist cloth. Use water to clean the canister and attachments. Do not use dust extractor until completely dry.

EMPTYING THE CANISTER

1. Switch the unit off.
2. Disconnect from the power supply.
3. Remove the filter bag (see "REMOVING THE DUST BAG" on page 13, or dump out the canister as appropriate.

EMPTYING THE CANISTER OF LIQUIDS (Models VAC140A and VAC140S only)

1. Switch the unit off.
2. Disconnect from the power supply.
3. Position dust extractor in area where the contents of the canister can be drained.
4. Detach drain hose from stored position on dust extractor and lay hose on the ground (Fig. 14).
5. Once canister is emptied, secure drain hose and allow canister to air dry.

FIG. 14