

DIAMOND DRILLING VACUUM PUMP SAFETY SHEET

(Hilti DD VP-U)



PERSONAL PROTECTION EQUIPMENT (PPE)



IMPORTANT - CONDUCT A RISK ASSESSMENT

Before you commence any work at your chosen work area, you should undertake some preliminary hazard identification and risk control precautions. Ideally more than one person should do this. This is undertaken by:

1. Physically inspecting the work site
2. Reviewing the best way/job steps required to complete the task
3. Reviewing the Safe Work Information supplied with the equipment
4. Reviewing other reference documentation and expert advice.

The hazard identification and control process steps are defined as:

1. Identify the Hazards (eg. 240V power drill use around wet areas)
2. Assess the Risk (multi earth paths - possible electrocution)
3. Select the Control Measure (e.g. dry the area; use an RCD; use a cordless drill etc)
4. Re-assess the Risk (risk of electrocution now negligible). This is undertaken to ensure that the risk control measures adopted have not introduced any new risks to the work area.

SAFETY INFORMATION

- Take the influences of the surrounding area into account. Do not expose the appliance to rain or snow and do not use it in damp or wet conditions. Do not use the appliance where there is a risk of fire or explosion.
- Use the right appliance for the job. Do not use the appliance for purposes for which it was not intended. Use it only as directed and when in faultless condition.
- Do not abuse the supply cord and/or the hose. Never use the supply cord or hose to carry or pull the appliance and do not pull the supply cord when unplugging. Damaged supply cords increase the risk of electric shock.
- Keep the supply cord and hose away from heat, oil, sharp edges or moving parts.
- Check the appliance and its accessories for any damage. Guards, safety devices and any slightly damaged parts must be checked carefully to ensure that they function faultlessly and as intended.
- Check that moving parts function correctly without sticking and that no parts are damaged. All parts must be fitted correctly and fulfill all conditions necessary for correct operation of the appliance. Damaged guards, safety devices and other parts must be repaired or replaced properly at an authorized service center unless otherwise indicated in the operating instructions.



PLEASE READ THIS GUIDE CAREFULLY BEFORE OPERATING THE EQUIPMENT

HELP AND SUPPORT

If the unit does not operate correctly or you are unhappy with its performance, return it to Asset Construction Hire for an exchange, or phone for assistance. Do not attempt repairs yourself.

Asset Construction Hire
Phone: 1300 361 383 or email: office@assethire.com.au

OPERATION MANUAL

A PDF of the full Operation Manual is available at:
www.assethire.com.au/manuals-specs-safety-sheets/
and must be read before using the equipment.

BEFORE OPERATING THE EQUIPMENT:

- Read this Safety Sheet and any other information provided with the equipment, including instructions, decals and operation guidelines.
- Check that you understand how and when to use the equipment, and know how to operate it safely.
- Ensure that it is only used according to the manufacturers and hirer's instructions, and only for work that is compatible with its technical limitations.
- Operate in a clear work area free from nonessential persons, children, animals or hazards.
- Ensure that you have a secure footing and clear access and egress to the work area while on the job.
- Do not operate any equipment if you are tired or suffering any medical condition, or if under the influence of drugs or alcohol which may cause lethargy or dangers to yourself or others.
- Do not use faulty equipment. If in doubt contact Asset Construction Hire.

- During operation, protect the appliance and hose from the effects of external influences which could result in damage to the water separator or hose.
- Observe the operating instructions for the diamond coring machine used.
- Avoid restriction or blocking of the hose, e.g. pinching, kinking or entry of dirt.
- Keep the ventilation slots on the pump clean and unobstructed. Ensure adequate free space at the air exit in order to avoid overheating of the appliance.
- Never allow the pump to stand in water.
- The pump should stand on a dry horizontal surface when in operation and should be secured to prevent possible movement.
- The vacuum will be maintained for a short time after failure of the electric supply or malfunction of the appliance. Should this occur, stop working immediately and check the pressure gauges on the pump and vacuum base plate. Secure the workpieces to prevent falling.
- Do not modify the appliance or tamper with its parts.
- Use only genuine Hilti spare parts.
- Empty the water separator each time before transporting the pump.
- Ensure that the workplace is well lit.

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BEFORE USE

- Stand the pump on a dry, horizontal surface and secure it to prevent possible movement.
- Check to ensure an unobstructed flow of cooling air to the pump.
- The area up to at least 20 cm from the cooling air intake and exit must be kept free.
- Avoid pinching or kinking the supply cord and hose.
- Check the water level in the water separator and empty it if necessary.
- Connect the hose from the pump to the vacuum baseplate.

CHECKING OPERATION

- Plug the supply cord into the power outlet.
- Switch the pump on at the on / off switch.
- After a short time, the pressure gauge should indicate a pressure within the green area.

SWITCHING THE PUMP ON

- Plug the supply cord into the power outlet.
- Switch the pump on at the on / off switch.
- The vacuum is monitored by a built-in pressure gauge.

CHECKING PRESSURE GAUGE

- Check the pressure gauge at regular intervals while the work is being carried out.
- Pressure indicator in the green area: vacuum pressure is adequate.
Pressure indicator in the red area: vacuum pressure is inadequate.
- If the vacuum pressure is no longer adequate, stop working immediately.
- Check the system

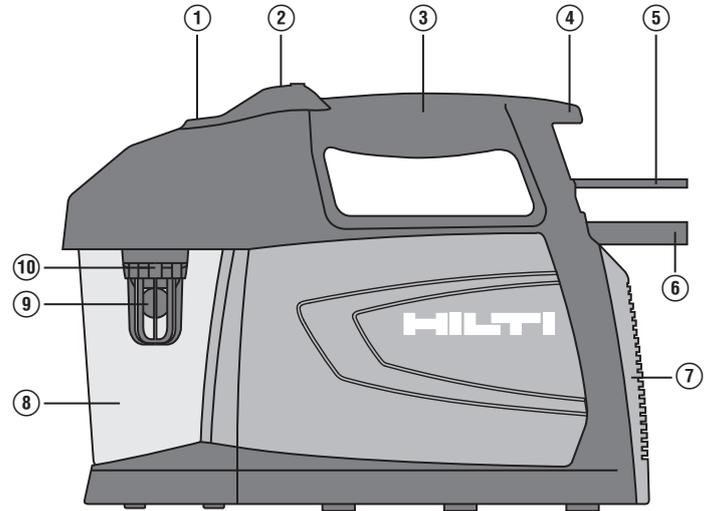
CHECKING WATER LEVEL IN SEPARATOR

- Check the water level in the water separator at regular intervals.
- The appliance is equipped with a safety valve to prevent water being drawn into the pump when the water container is full.
- If the safety valve is activated, vacuum pressure will drop.
- Stop working if this happens and empty the water separator.

SWITCHING THE PUMP OFF

- Switch the pump off at the on / off switch.
- Disconnect the supply cord plug from the power outlet.

MAIN COMPONENTS



- ① Pressure gauge
- ② On / off switch
- ③ Grip
- ④ Supply cord hook
- ⑤ Supply cord
- ⑥ Hose
- ⑦ Ventilation slots
- ⑧ Water separator
- ⑨ Ball float
- ⑩ Cage