



HILTI SUBMITTAL PACKAGE OSHA 1926.1153 TABLE 1, SECTION ii

Section ii: handheld power saws (any blade diameter)

Current Hilti saws with wet cutting solutions
DSH 700-X
DSH 900-X




 For instructions on how to assemble these systems, please refer to the Hilti North America Youtube page



TABLE 1 REQUIREMENTS

These systems fall under Table 1, **section ii: handheld power saws (any blade diameter)**. In order to be table 1 compliant, the below requirements must be met:

- Use saw equipped with integrated water delivery system that continuously feeds water to the blade.
- Operate and maintain tool in accordance with manufacturer’s instructions to minimize dust emissions.

Equipment / Task	Engineering and work practice control methods	Required respiratory protections and minimum Assigned Protection Factor (APF)	
		≤ 4 hours / shift	> 4 hours / shift
(ii) handheld power saws (any blade diameter)	Use saw equipped with integrated water delivery system that continuously feeds water to the blade. Operate and maintain tool in accordance with manufacturer’s instructions to minimize dust emissions. • When used outdoors <hr/> • When used indoors or in an enclosed area	None	APF 10
		APF 10	APF 10

Table 1 states when a respirator is required if the above controls are fully and properly implemented.

Check below to see how your system can be compliant with 1926.1153 Table 1. To verify the generation of your tool, check the rating plate, or call Hilti at 800-879-8000 with your serial number.

Tool name	Accessory (any one)	Method of compliance
DSH 700 series DSH 900 series	DSH-P water pump (2124505) DWP 10 (365595) Gardena connector with supplied water (4297)	all Table 1

SYSTEM OVERVIEW

Handheld power saws from Hilti comply with Table 1 through an integrated water delivery system to supply water to the cutting surface. Hilti currently offers the below systems with this configuration:

Tool	Accessory
 <p data-bbox="272 680 370 705">DSH 700-X</p>	 <p data-bbox="721 640 899 665">DSH-P water pump</p>
 <p data-bbox="272 930 370 955">DSH 900-X</p>	 <p data-bbox="678 947 940 972">DWP 10 handheld water pump</p>

Any "Gardena" style connector can be used to attach the water source to the Hilti gas saw

Note: previous generations of tools may have different item numbers or nomenclature. Check with your local Hilti representative or product instruction manual to verify.



DSH 700-X/900-X

DSH Handheld Gas Saw Dust Control – OSHA

Hilti developed gas saw cutting systems which are equipped with a water connection to be attached to a pressurized water source, compliant with OSHA 1926.1153, Table 1. The use of the Hilti DSH-P eliminates the need for a pressurized water source.

Set-up

1. Attach the water source to the tool.
2. Turn on the water.
3. Verify that the user has the appropriate supply of water, and that the gas saw's water valve functions properly.
4. See DSH gas saw operator's instructions for additional information
 - Check for damage or leaks in the DSH gas saw's valve and water tube.
 - Verify the spray nozzles are not clogged, and direct the water to the cutting surface.

Cutting

1. Turn on the pressurized water source before beginning to cut.
 - Adjust the water valve to ensure proper water flow during cutting to minimize visible dust.
2. Maintain water flow until cutting is completed.

Cleaning and maintenance

- See manufacturer's instructions for wet cutting machines