

ENGINEERING  
TOMORROW

*Danfoss*

Danfoss high-pressure pumps -  
**cleaner mist** for faster  
production of **quality lumber**

**Zero Oil**

ensures easy  
maintenance and  
no contamination

[hpp.danfoss.com](http://hpp.danfoss.com)

**High pressure**, combined with **small nozzle apertures**, produces **excellent atomization** of clean water – perfect for wood applications

### PAH/PAHT pumps



The compact pumps are available for operation with tap- and technical water. All pumps use the pumped media as lubrication ensuring 100% oil free operation. They offer long service intervals due to few components and no oil change.

Type	Media	Pressure	Flow	Temperature
PAH 2 - 12.5	Tap water	30 - 160 barg	2 - 17.2 l/min	2 - 50 °C
PAHT 2 - 12.5	Technical water	30 - 140 barg	1.7 - 16.5 l/min	2 - 50 °C

### NWC power pack



The proven powerpack concept can be used for many applications. It has high uptime and long service intervals due to water lubricated and fully submerged pump. The high pressure provides highly effective water mist.

Power pack	Flow	Pressure	Output	Tank
NWC	25 - 3200 l/h	80 - 100 barg	Up to 8 valves	25 l

### Solenoid VDHT valves



The valves are corrosion resistant and dirt tolerant making them highly reliable. They are compact, high-temperature resistant and have a low pressure drop. Easy maintenance without dismantling from system.

Valve type	Q nom.	Max pressure	Max temperature	Operating pressure
VDHT 30 E (NO or NC)	30 l/min	160 barg	90 °C	3.5 barg
Block Solution 2, 3 or 4	30 l/min	160 barg	90 °C	

### Water-mist nozzles



The nozzles have an excellent spray pattern making them suitable for wood applications. They are made of stainless steel AISI 316/430 ensuring high reliability and long service life.

Nozzle type	Flow	Operating/ max pressure	Spray angle	Nozzle thread
Water mist nozzle	0.42 - 1.25 l/min	100 / 130 barg	60°	M13 x 1 mm