

ENGINEERING
TOMORROW

Danfoss

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

Zero Oil

no contamination
and easy
maintenance

hpp.danfoss.com

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



- Available for operation with tap water or technical water.
- Oil free operation
- Long service intervals
- Compact size



- Corrosion resistant
- Easy-to-clean
- High temperature-resistant
- Dirt tolerant
- Reliable
- Coil enclosure IP 67



- Suitable for ordinary tap water
- Excellent spray pattern
- Long service life
- Stainless steel AISI 316/430

High-pressure pumps

| Pump types | Media | Outlet pressure | 1500 rpm at max. pressure | Media 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 |

Solenoid valves

| Valve type | Q nom. | p max. | T max. | Comments |
|--------------------------|----------|----------|--------|--------------------------|
| VDHT 30 E (NO or NC) | 30 l/min | 160 barg | 90 °C | Coils ordered separately |
| Block Solution 2, 3 or 4 | 30 l/min | 160 barg | 90 °C | 3.5 barg |

Nozzles

| 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 |

JARTEK

"Among all high pressure pumps, Danfoss HPP is in a class of its own. For the lumber drying process, the quality of our own products highly depends on precise humidity control. The Danfoss pump lets us achieve this high quality, while also providing an attractive service life and headache-free maintenance schedule."

Asko Sipari, Jartek Invest Oy



"High pressure water mist is essential in lumber drying, I can't see how it could work properly without it. Danfoss pump is a heart of the system."

Timo Myllyaho, CEO Passimo Oy

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