

Rethink. Reverse!

The innovative reversible fan.
The original from *CLEANFIX*.



**THE BEST THING
THAT CAN HAPPEN
TO YOUR MACHINE.**
CLEANFIX



www.cleanfix.org

CLEANFIX[®]

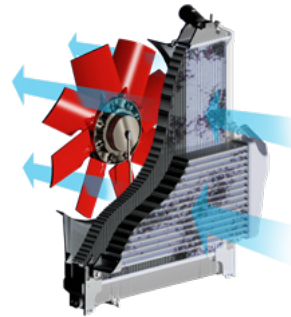
invented & made by Hägele

Clean coolers

save time and fuel.

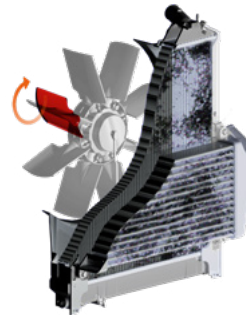
Efficient cooling

Cleanfix reversible fans adapt to the cooling requirements of the machine. This reduces the power consumption of the fan.



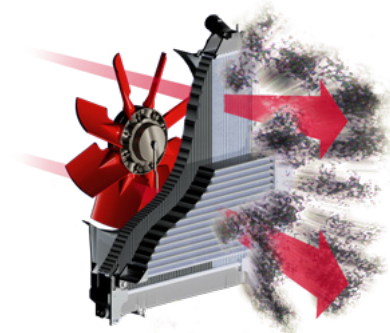
Convenient reversal

At the push of a button, the reversal of the blades to the cleaning mode is activated during work operation and at full speed.



Powerful cleaning

The optimal alignment of the blade profile ensures high airflow and strong cleaning pressure. Only this technology cleans your cooler effectively.



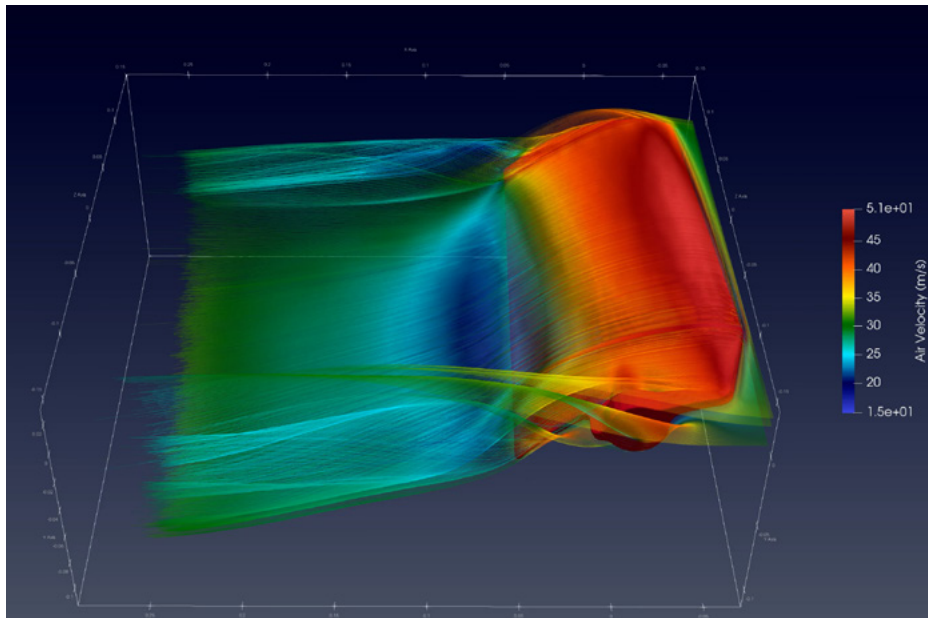


A new shape for new potentials.

When great forces are at work, strong solutions are needed.

To allow even more machine models to be equipped with a Cleanfix, we have expanded our product range. Our new Z/X 75 blade optimises performance for a high cooling demand and a small shroud diameter while maintaining cleaning power during blow-out.

Thanks to the new streamlined cut, the blade is able to generate sufficient pressure and volume flow with a smaller blade width. This ensures the cooling demand is met and the machine performs at its best.



The new shape reduces turbulence, enabling the fan to work more efficiently.



The new Z/X 75 blade with its aerodynamic shape ensures the fan delivers full performance with a reduced blade width.

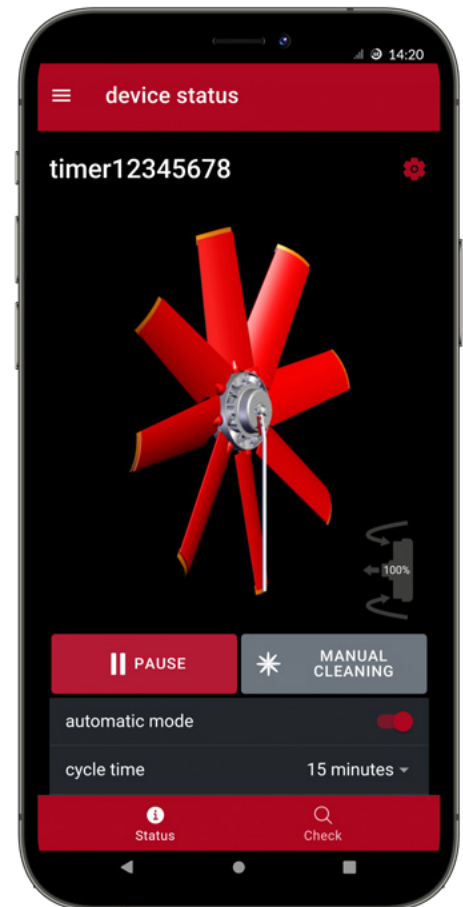
Simply digital.

The CLEANFIX control app.

With the CLEANFIX control app, handling the reversible fan is now even more convenient. Quick and simple connection with Bluetooth. With this app you can use all compact and easy manageable new functions. So you always have full control over your fan.

The most important features:

- Quick switching between manual and automatic mode
- Possibility to pause for cleaning
- Flexible adjustment of the cycle time
- Intermediate cleaning can be started at any time via the app
- Independent function control: Automatic notification of maintenance requirements, high temperatures and defects
- Manual system check by pressing the button
- Simplified identification of spare parts
- Operation independent of driver position



For any application the appropriate control.



Valve Unit 4.0

Unit consisting of valve and timer. It is connected to an existing hydraulic or pneumatic system in the vehicle.



Control Unit 4.0

Unit consisting of valve, timer and compressor. This pneumatic system does not require a hydraulic or compressed air system in the vehicle.



E-BOX 4.0

Unit consisting of valve, timer and compressor. The components are secured by a high-quality box that protects against dust, moisture and vibrations.

Quality and progress are high on our agenda.

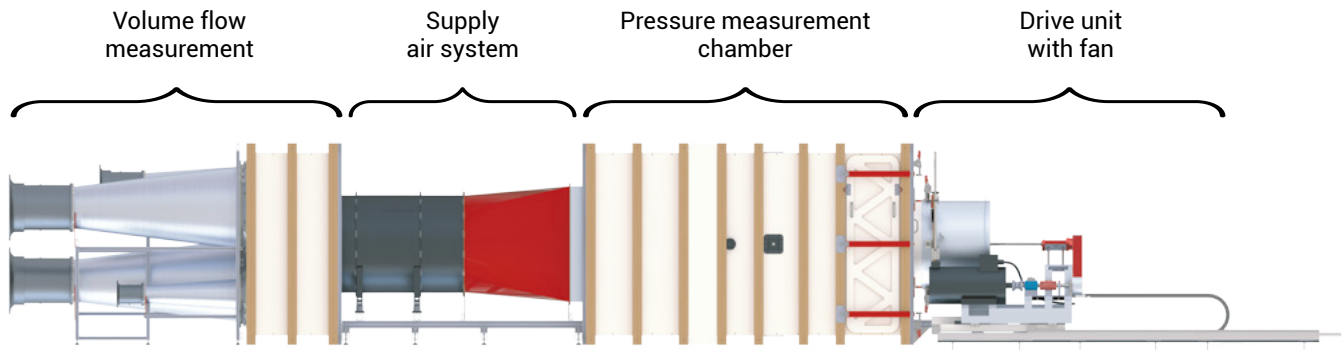
Together with our customers, we determine the precise efficiency for your energy-efficient and low-noise cooling modules on our new test bench.

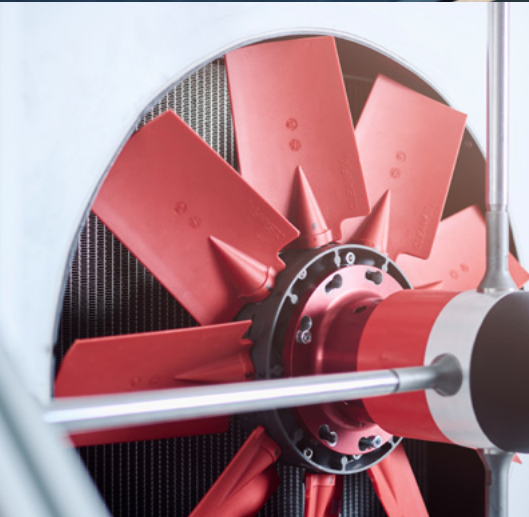
This test bench is able to measure not only fans and radiator packages, but models as well. This cuts development costs enormously, as the test bench also provides very meaningful drag curves for new developments that are created as scaled-down 3D prints.

The standardised suction-side test bench is 14 m long, complies with international standards (e.g. ISO 5801 and ANSI/AMCA 210-16) and is suitable for axial fans with impeller diameters from 300 mm to 900 mm.

We have efficient ways of testing your design, the material and the effect parameters even ahead of the first prototypes. So your machine gets to the market faster and better.

We are constantly working on material improvements in our laboratory. This means we can examine material pairings and surface finishes, as well as the changes in materials before and after the bench test.





All advantages at a glance.



Powerful cleaning

The Cleanfix reversible fans automatically blow dirt out of the cooler at a configurable time interval.



Increased productivity

The Cleanfix reversible fans clean at full speed without interruption of work.



Optimized cooling

The Cleanfix reversible fans adapt their blade angle to the cooling requirements.



Less downtime


The Cleanfix reversible fans lengthen the maintenance and cleaning intervals.



Fuel savings

The Cleanfix reversible fans keep radiators clean and save up to 4 kW compared with dirty radiators.





„Today, we only clean our coolers manually with compressed air once a day. This used to be every 10 to 15 minutes. The time savings and benefits from Cleanfix reversible fans are two hours per machine per day.“

*Alexander Korn
(Managing Director at Korn Recycling)*

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If you have any questions, our sales team will be happy to help.

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Or use our contact form.

cleanfix.org/contact



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