

# ThermoDes-5

The Disinfection Unit



## APPLICATION

## ADVANTAGES

### In general

- ✓ In bypass mode and extremely efficient
- ✓ Both climate friendly and health friendly
- ✓ Autonomous, mobile, can be used inside a factory hall

### Disinfection of cooling liquids (bacteria, yeasts, fungi)

- ✓ Highly efficient disinfection during full production
- ✓ No odour nuisance, no health problems
- ✓ Entirely without chemistry and/or biocides

### Test results

- ✓ In 90% of tests zero bacteria after disinfection
- ✓ In remaining 10% reduction by factor 100 to 10.000
- ✓ In 100% of tests zero yeasts or fungi after disinfection

### Commercial

- ✓ Significantly reduced cost for coolant purchase & disposal
- ✓ During normal production = no stillstand times
- ✓ No chemistry or biocides = less sick days

Further information can be found here:

<https://www.ph-cleantec.de/en/products/thermal-disinfection-of-cooling-lubricants.html>



Bacteria

Fungi

## Technical Data ThermoDes-5

- Mobile and independent
- 5 liters of coolant throughput per minute
- With heat recovery system
- With intake temperature control
- Significant savings on coolant and disposal
- Disinfection of coolant during full production
- In general, no chemistry and no biocides necessary



Technical Data	ThermoDes-5
Working volume disinfection	300 liters coolant / hour
Temperature disinfection	~ 65-70°C
Temperature intake (from coolant bath)	30-50°C
Temperature return	Max. 50°C
Type of current	3P-N-PE / 400V / 50Hz / 16A
Power consumption	5 KW 4 KW average power consumption due to heat recovery
Filtration to protect the unit	25µm for suction from emulsion tank
Dimensions	920 x 480 x 450 mm
Weight (empty)	~ 55 kg
Noise level	< 70 dBA
Coolant shortage control	Standard
Connector cable	7.5 meters
Hoses	Suction hose 5 meters Return hose 5 meters
Chassis in custom colour	Option 1000 WF

Subject to technical modifications. As of August 13, 2021.