

HOBART

smartclean
smart savings €



smartsavings €

Energy costs are rising. Right now, nobody can say how they will develop in the future. Experts agree on one thing though: for now, costs are staying high for water, chemical products and especially for electricity. It is a relief, that **technology** is moving forward. These days, we can use innovative technology to reduce electricity, water and chemical consumption while still **washing hygienically**.

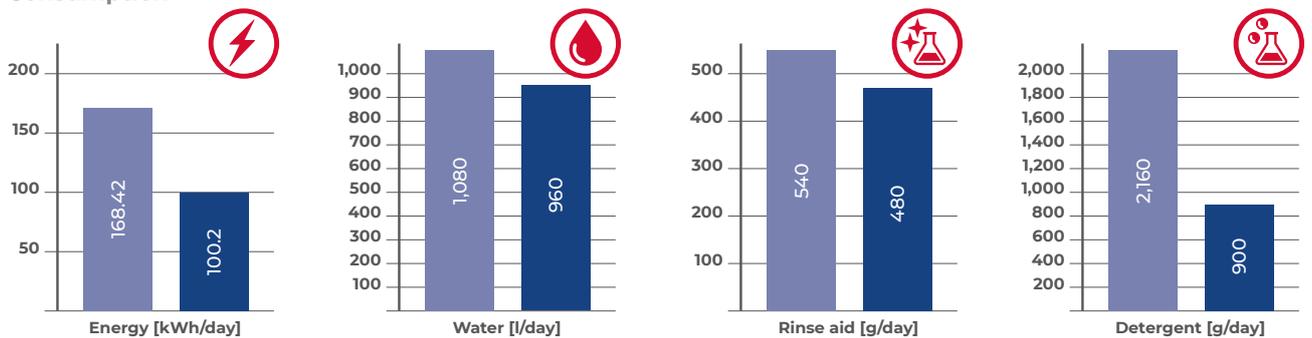
Replacing an old machine with new, energy-efficient technology can reduce your operating costs. It is worth taking a close look at an operating cost analysis.

REDUCING OPERATING COSTS
Case study: flight-type dishwasher

FTN S-A-DS flight-type dishwasher (2012 model)

FTNi S-A-DS flight-type dishwasher with the CLIMATE-PLUS energy saving system and LOW-CHEM INTENSIVE detergent saving system (2022 model)

Consumption



Model input data for the analysis:

- Energy price: 0.25 €/kWh
- Water price: 4 €/m³
- Price of chemical products: 4 €/kg (for both detergent and rinse aid)
- Operating hours/day: 6
- Operating days/year: 365

6,225 € ↓ Energy savings	175 € ↓ Water savings
1,925 € ↓ Chemicals savings	8,325 € + Savings per year

Take a look at 2 of the many technological innovations we put in our dishwashers to reduce operating costs:

CLIMATE-PLUS ENERGY SAVING SYSTEM

Smart use of waste water and exhaust air

Saving energy has never been so easy: with the unique new CLIMATE-PLUS energy saving system, consisting of a combination of waste water heat recovery and state-of-the-art heat pump technology, energy losses during ware-washing are enormously reduced. In total, up to 70 % of the energy from the waste water and up to 100 % of the energy from the exhaust air is returned to the wash process – valuable energy which is left unused in traditional systems.

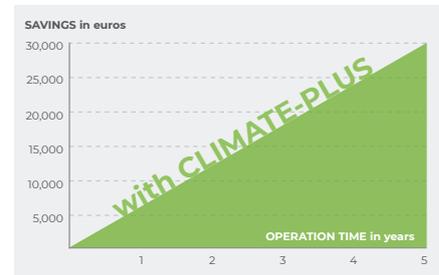
Here's how it works:

The warm waste water is passed through a heat exchanger unit, where the incoming fresh supply water is heated by the waste water using the counterflow principle. At the same time, energy from the hot exhaust air is also fed back into the wash cycle. Saving energy with the system!

Your benefits at a glance

- Significantly reduced energy consumption.
- Significantly reduced operating costs.
- Constant exhaust air temperature of 17°C.

In this example, the investment in the heat pump has already paid for itself after 1 year.



LOW-CHEM INTENSIVE DETERGENT SAVING SYSTEM

Cleaning chemicals: only as much as necessary

And this is how it works:

A sensor in the wash tank continuously checks the quality of the wash water and regenerates it as necessary. Depending on the extent of soiling, water from the rinse is briefly fed into the main wash tank as required. The chemical dosing is adjusted to the tank regeneration.



Your benefits at a glance

- Reduced detergent consumption.
- Automatic chemical dosing, precisely as needed.
- Optimal wash water solution quality guarantees rinse result.

LOOKING FOR MORE?

Find many more technological innovations to help you save smart here:



CHALLENGE US!

We will calculate the cost-saving potential for your specific dishwashing area. Simply send us the operating time (h/day, days/year), age and model of your dishwasher, as well as the energy and water prices for your region/ country. Send your enquiry to info-export@hobart.de

OR EVEN EASIER:

Scan the QR code, fill in the form and send it off.

