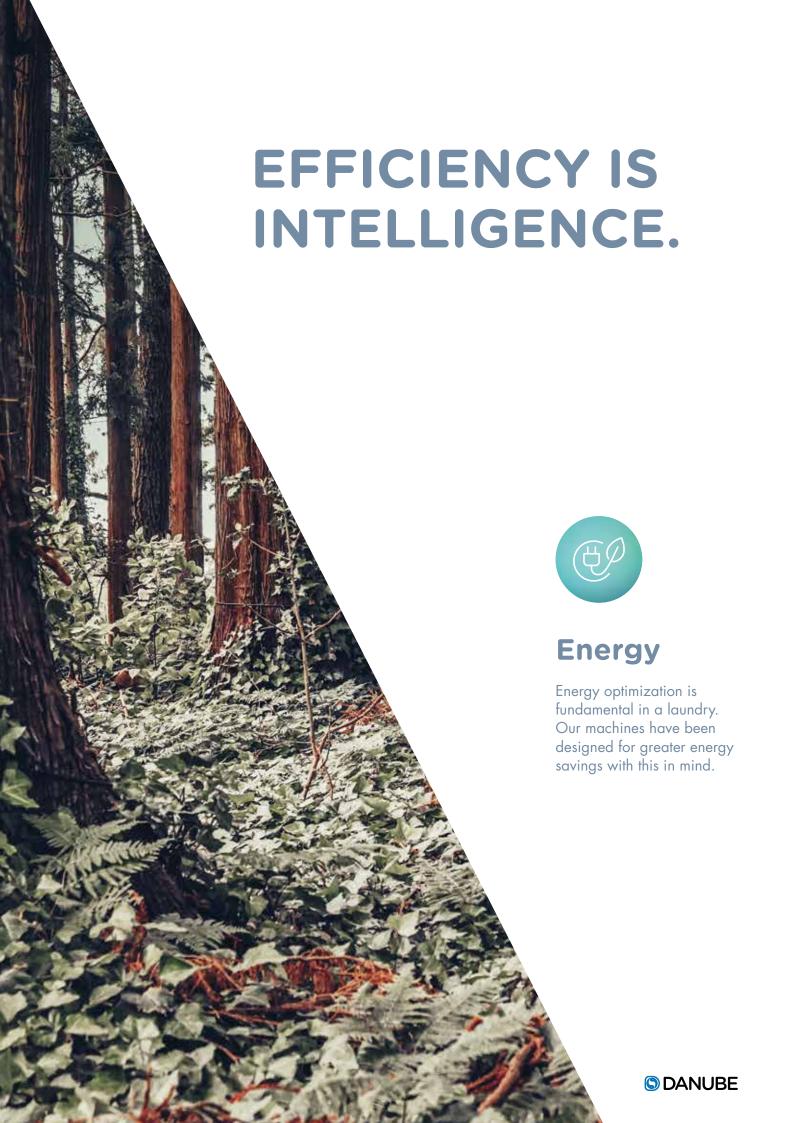
SUSTAINABLE EFFICIENCY



ODANUBE



Welcome to Danube.

At Danube we know how important efficiency is and we are very aware of our commitment to the environment.

That is why we have developed a new state-of-the art product range with low consumption and high energy savings for their entire life span.



Water

Saving water and using it properly are our goals, we do not want to waste it.

We offer washing machines with optimized design and programming as well as a unique accessory, the AQUABAC: water recovery tanks.



Technology

We apply the latest technology to offer very efficient laundry machinery.



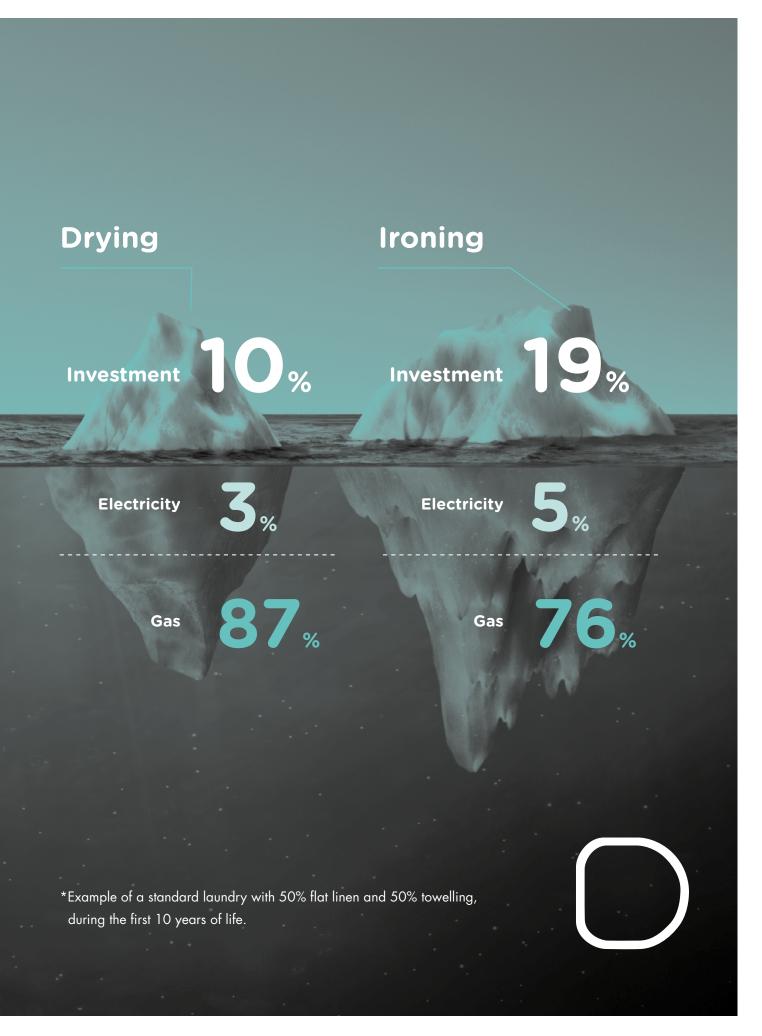
Chemicals

We design our washing machines with features to ensure the most accurate use of chemicals.

BECAUSE YOUR WELLNESS IS ALSO OUR CONCERN



Washing Investment **Electricity** Detergent of resources



HIGH G FACTOR THE MOST EFFICIENT SPINNING.

+ Precision Consumption

The average low speed washing of the competition has a 100 G Factor.

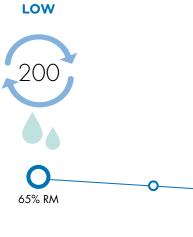
WEN Washing machine Factor G 200

WEM Washing machine Factor G 300

MEDIUM

WED Washing machine Factor G 450

HIGH



55% RM

47% RM

Medium-sized sheet 100% cotton. 6 minutes spinning

LOW RESIDUAL MOISTURE RESULTS IN MORE EFFICIENT DRYING.

Drying time

Energy consumption



+15.5%



+8%



45 min. +13.5 min.



38 min. +6.5 min.

31.5 min.



+15.5%



+17.5%







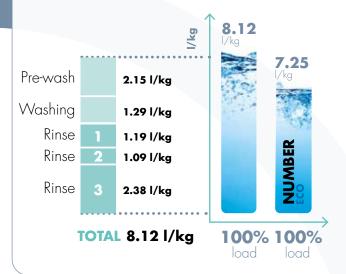


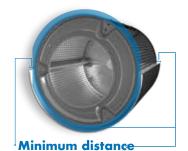
Washing machines



Calculation made to process 49,500 kg a year (3093 cycles)

2 LOW WATER CONSUMPTION





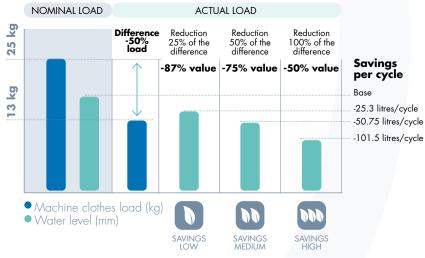
+ Precision
- Consumption of water. of energy and of chemicals



WATER SAVINGS

We save water using the weighing system and the saving programme

PrecisionConsumption of water of energy



NO SAVINGS MEDIUM SAVINGS HIGH

WATER SAVING

YOU CHOOSE THE SAVINGS LEVEL

WATER SAVING

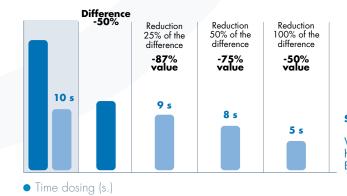
WATER SAVING

WATER SAVING

WATER SAVING

A CHEMICALS SAVINGS

Washing machine 25 kg high speed



+ Precision





5

AQUABAC

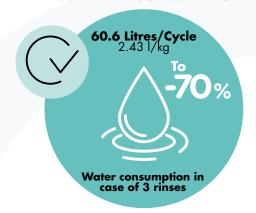
Water recovery tanks.

To save up to 70% of water.



TOTAL 8.12 l/kg TOTAL 202 l

RESULT NEW CONSUMPTION



Example

The rinse water 3 passes to the rinse 1 and 2

The rinse water 1 and 2 passes to the prewash

The rinse water 1 passes to the wash



1 DANUBE TUMBLE DRYER RANGE: COMPARISON ACCORDING TO EFFICIENCY.



RANGES FEATURES		SILVER	SILVER + CARE DRY	GOLD
CARE DRY smart moisture control.		No	Yes (option included)	Standard
AIR RE-CYCLE: Air recovery.		No	No	Standard
Double glazed		Option	Option	Standard
THERMAL INSULATION		No	No	Standard
O	Cycle time	② 38 min	33.5 min -4.5 min	31.5 min -6.5 min
	Time reduction		-11.8%	-17.1%
ί	Energy (kWh) Savings	12.38 kWh/cycle	10.89 kWh/cycle -12.1%	10.31 kWh/cycle - 16.7 %
		Production To process 49,50	00 kg a year (3093 cycles)	
	Hours a year	1959	1727 (-232)	1624 (-335)
€	Savings Euros/year		€-588	€ -804
ROI	Return on investment		0.85 (10.2 months)	1 (12 months)



335 hours × 25 Euros (cost company) €8,375

Tumble dryers



2 CARE DRY SMART MOISTURE CONTROL

+ Precision
- Time

Optimized rotation speed

Smart moisture control adapts the drum rotation speed to the humidity level of each drying phase.

rotation speed "rpm"

% RM moisture sensor



Time cycle (min.)

CARE DRY OFF 37 min CARE DRY



34 min -**3 min**

(1)

Reduction time

Reference 100%

-8.82%

To process 49,500 kg of clothes a year (3093 Cycles)

()	Hours a year	1907	1753 (-154 hours)
€	Savings possible year	-	-450 Eur/year
ROI	Cost option Time	-	0 Euros Immediate



The moisture sensor automatically adjusts the cycle time to the set point moisture of the clothes.







Turbine: air flow, with models of different sizes.

+20%
OF INCREASED
PERFORMANCE
THANKS
TO THE DESIGN.

Turbine and box assembly optimized outlet

The design, curves, elbows, and diameter have been optimized to get the most out of the airbox assembly with the turbine.



3 GOLD RANGE THE RANGE WITH THE MOST FEATURES TO ENSURE DRYING EFFICIENCY



AIR RE-CYCLE

Smart air recirculation system.

Taking advantage of the hot, almost dry air, we shorten drying times and reduce energy consumption.

GOLD RANGE

⊘ AIR RE-CYCLE

Air recovery system for increased energy efficiency.

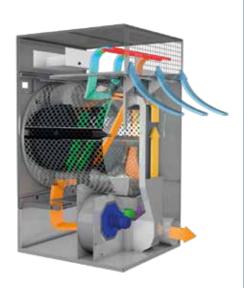
⊘ CARE DRY

Smart moisture control

⊘ THERMAL INSULATION

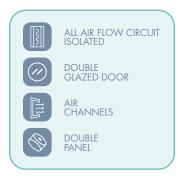
Full isolated air flow circuit.

- Optimal FLOW
 Optimized axial-radial full air flow.
- REVERSING DRUM Standard in all models.



Thermal insulation

to keep heat inside the machine





THERMAL INSULATION

NO THERMAL INSULATION

HEAT PUMP REASONS FOR AND ADVANTAGES OF INSTALLING A HEAT PUMP

When the customer prioritizes energy efficiency over drying time

When a smoke vent cannot be installed

40%

Of consumption with respect to the electric model

When we have power limitation installed

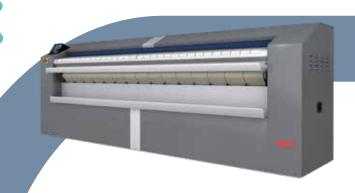
 Due to the difficulty of getting gas installations or certifications

Accessory AQUABAC

100% of cooling water from the heat pump dryer is collected in the Aquabac for the next wash.



Flatwork dryer ironers

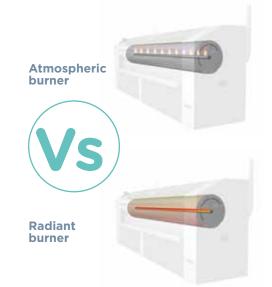


1 RADIANT BURNER: THE MOST EFFICIENT.

ADVANTAGES



- With a similar gas consumption, the hourly productivity of the flatwork ironer increases by 25 % compared to the same machine with atmospheric gas burners.
- They can be used in places at high altitudes and without the oxygen level problem affecting combustion.



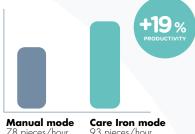


2 CARE IRON

+ Production
- Energy

Automatic regulation of ironing speed according to residual moisture in the linen. Standard in 650 mm, optional in 500 mm

Example in Flatwork ironer ø 650



ADVANTAGES

- Increased production
- O Delicate treatment of garments

OPTIMIZED IRONING TIME



3 HPS

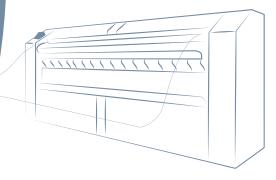
The linen introduction sensor and LED lights help to adapt feeding speed to optimize productivity.

Example in Flatwork ironer ø 650



Manual mode 78 pieces/hour Optimal feeding mode moisture control and speed in introduction: 100-110 pieces/hour

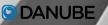




4 BUILT-IN LONGITUDINAL FOLDER

- Efficiency in the process, which goes from manual to automatic.
- High speed folding for greater productivity.
- ✓ LED indication of availability to save time.
- Automatic mode to detect sheet dimensions: efficiency and time saving.







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