

TECH **NEO** 400 500

Elegance and Simplicity

Dishwasher - Glasswasher



COLGEO
Useful Innovation

Elegance and Simplicity



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Elegance

Colged has been manufacturing industrial dishwashers for over 40 years.

During this lapse of time over 800,000 machines have left our assembly lines; we have gathered unrivalled expertise and know-how that allow us to effectively and elegantly solve washing problems, combining excellent results with low consumption rates.

Over 15% of our staff includes technicians and engineers who work to bring to fruition our mission: "Useful Innovation". Heavy investments and ongoing commitment to research are witnessed by the many international patents that cover our technological solutions and by the numerous collaborations with prestigious universities and research centres.

Simplicity

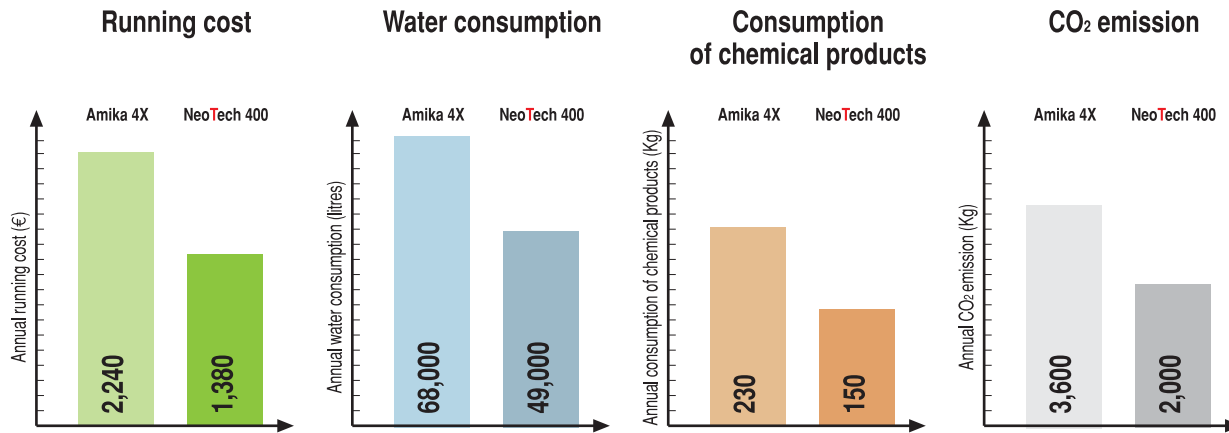
Colged proposes simple solutions to washing problems. Simplicity means developing products that incorporate all and only the technologies needed to obtain a satisfactory result while reducing the possibilities of mistakes deriving from incorrect use of the machine and cutting daily maintenance times.

Simplifying your life means being near to you, distributing our products through an intensive network of selected and skilled retailers, who receive ongoing training and updating on our products.

At Colged we are also aware of our social responsibility, i.e. responsibility towards ourselves as manufacturers and with regard to the environment, demonstrated by the certification to standard ISO 9001:2008 of our quality system and to ISO 14000:2004 of our production location.

Ecology, economy, cleaning

TECH **NEO** 400 500



You earn more Low running costs and low polluting emissions

Lowering running costs by almost 40%* is possible with a NeoTech dishwasher. Indeed, compared to a conventionally designed machine the annual running cost, considering washing 80 racks a day on two services for 320 days a year is lower by almost 900 € (1,380 € against 2,240 €). Using a NeoTech machine, every year you will consume* 19,000 lt less of water, you will not release 80 Kg of chemical products to the environment and the CO₂ emissions of your business establishment will be reduced by 1,600 Kg, due to saving 2,300 Kwh of electricity.

Heavy resources have been invested in the development of low impact washing technologies and in making our production locations as eco-friendly as possible, as proved by achieving environmental certification to Std. ISO 14000:2004.

A contribution to this result has been given by the new thermal profile with washing at 60 °C and rinsing at 65 °C, which besides consuming less energy, improves drying performance and reduces thermal stresses on finer and quality glasses.

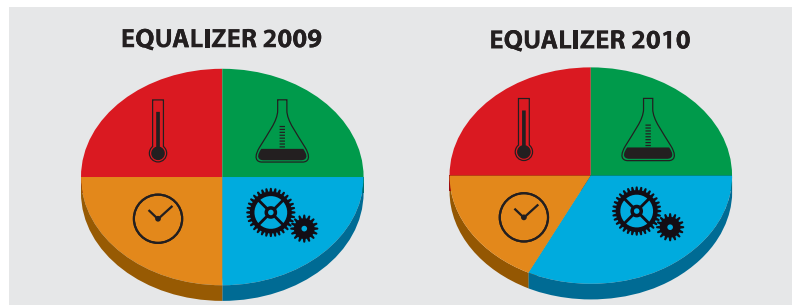
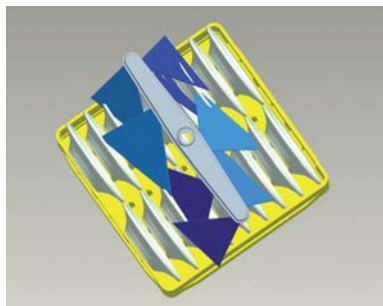
More free time Cleaning speed

If the dirt isn't there, there's no need to clean it. This is the basis of the TotalClean design philosophy. Cleaning operations at the end of the shift are irksome and often take a long time, forcing you to delay your return home and stealing precious time from your private life, friends and hobbies. Our machines have been designed to avoid creating areas where dirt can collect: the tanks, door liners and rack guides are completely moulded and dimensioned to

aid draining of impurities; even the vertical edges are rounded. The components in the tank have been reduced as much as possible and the wash and rinse water supply pipes have been housed within the double wall.

The coarsest particles are withheld by the integral tank filters.

Useful Innovation

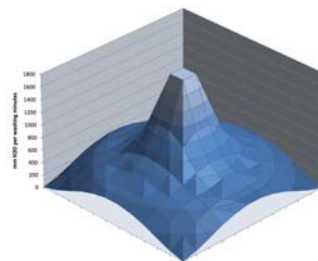


EquaLizer

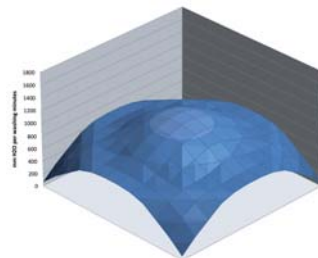
A patented washing system with which it is possible to obtain significant improvements in the result with wash times and energy consumption reduced by even 25%*. The heart of the system is the dual flow pump (an original Colged patent) which does not have one outlet but two for the pressurised fluid that, with no need for tee or wye fittings, directly reaches the top and bottom arm, where most of the power losses are concentrated and a significant part of noise is generated. The new steel washing arm has been designed to keep the water pressure even along the whole

radius, thereby reducing excess washing in the central area while increasing the flow rate by 10%, thus also the mechanical dirt removal action. In addition, the new distribution of the jets on three spraying levels rather than two offers more effective distribution of the solution on the dishes and improved action of the detergent, ensuring the same quality of the wash on both the front and rear of the dishes.

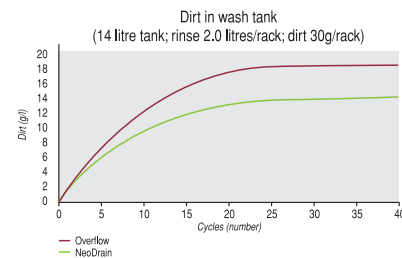
Water distribution Equalizer 2009



Water distribution Equalizer 2010



- a) Overflow: water change = 62% of the rinse
b) NeoDrain: water change = 83% of the rinse



NeoDrain

This is a tank water cleaning system with which it is possible to reduce the concentration of detergent in the tank by about 10% compared to a similar machine with a conventional overflow. There are two independent filters, one made of steel that covers the whole tank surface and a second one directly on the pump inlet. The drain system has an 83% water change efficiency compared to the 66% of conventional overflows. The pump filter is an international patent and it works by ensuring that before flowing to the drain, the water laps against the tank bottom,

removing any particles of dirt that have collected there. The correct flow of the fluid and suspended dirt particles is ensured by the shape of the tanks that are completely moulded with absolutely no sharp edges. Being the sum of a set of simple features, NeoDrain is extremely reliable and requires only normal dishwasher cleaning care.

TECH **NEO 400**

Compact dishwasher glasswasher



Compact, multi-purpose dishwasher with 40 x 40 cm rack.

The large useful height of 30 cm makes it possible to wash taller glasses.

Fitted with EquaLizer rotary arms at both top and bottom, it is perfect for washing glasses and dishes (up to 400 pieces an hour). Its versatility is enhanced by two standard wash cycles with a productivity of 40 racks an hour and an intensive one with a productivity of 30 racks an hour. Due to the newly-designed rinse system, water consumption per rack is just 1.6 lt compared to the 2.4 lt of an equivalent conventional machine, while the NeoDrain combines the performance of a machine

with clean water and the running costs of one with re-circulation; last but not least, the EquaLizer warrants sensational washing performance on glasses and dishes up to 28 cm in diameter.



Compact, multi-purpose dishwasher with 50 x 50 cm rack and an overall height of 72 cm. The large useful height of 29 cm makes it possible to wash the taller glasses and also standard dishes (up to 720 pieces an hour).

It comes with one general cycle for dishes and glasses with a productivity of 40 racks an hour and an intensive cycle with a productivity of 30 racks an hour. Due to the newly-designed rinse system, water consumption per rack is just 2.7 lt, while the NeoDrain combines the performance of a machine with clean water and the running costs of one with re-circulation; last but not least, the EquaLizer warrants

sensational washing performance on glasses up to 25.5 cm and dishes up to 27 cm in diameter.

The cycle starts gradually in SoftStart mode to avoid damaging the glasses or lighter cutlery.



High capacity dishwasher glasswasher

TECH **NEO** 500



TECH NEO 400 500



Specifications are not binding

Datasheet

		NeoTech 400	NeoTech 500
Size lxbxh	cm	45 x 55 x 71	60 x 60 x 72
Rack size	cm	40 x 40	50 x 50
Useful opening	cm	30	29
Maximum glasses height	cm	27	25.5
Voltage	V/A/Hz	230/1N/50	400/3N/50*
Installed power	W	3,440	6,900
Normal programme time	sec	90	90
Intensive programme time	sec	120	120
Tank capacity	Lt	8	15
Water consumption per cycle	Lt	1.6	2.7
Electronic detergent dispenser		Kit	Kit
Electronic rinse aid dispenser		standard	standard
Version with water softener		NT 400 S	NT 500 S
Equipment		2 glass racks 1 cutlery insert	2 glass racks 1 cutlery insert

* Convertible to 230 V/1N/50 - W 5,000 or 230 V/3/50 - W 4,600

The data contained in this trade document, in particular those related to consumption, refer to machines operating under ideal circumstances, and may differ in the real situations according to the conditions and way of installation, use and connections to the power/water network.



design: Studio Rinaldi ADP



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